

SEQUENCE LISTING

<110> Salceda, Susana
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Liu, Chenghua
Turner, Leah

<120> Compositions and Methods Relating to Breast Specific Genes and Proteins

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<151> 2000-11-20

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 <211> 218
 <212> DNA
 <213> Homo sapien

<400> 22
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 <212> DNA
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 <221> misc_feature
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 <223> a, c, g or t

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 <211> 694
 <212> DNA
 <213> Homo sapien

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<211> 144

<212> DNA

<213> Homo sapien

<400> 29

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<210> 30

<211> 631

<212> DNA

<213> Homo sapien

<400> 30

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<210> 31

<211> 618

<212> DNA

<213> Homo sapien

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 atattatggt gtggcgccgg aggccgggtgt ctctccaaac ctctgggtt ccagaggttag 480
 tcttctccgc cgagtgttgt gtcacaacgc gctgtcgaaaa gggactcgt tggggcaaaag 540
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<210> 32
 <211> 531
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (258)..(258)
 <223> a, c, g or t

<400> 32
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 gacttttagtt ctcctataac atggatcaga tatttccaa aagatattta atgcataacg 360
 caaaaaaaaaac aaaaaaaaaaa aaaaagcgaa gggaaaaacc ggcccaagag cgtgccccggg 420
 gggaaaactgg ggtccccggg ccaaatttcc ccaaaaaattt cgcgcacacaa aagtggaaaa 480
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<210> 33
 <211> 841
 <212> DNA
 <213> Homo sapien

<400> 33
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 ggggggtgggg ggggggggggg gttttttttt gggggggcccg gggggcgccca accaccgggg 180
 ggaaacaaaaaa aaatcatgcg cgcgccgacc cagccaccaa aagaaggaa gaacaagacc 240
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 ctgagtgcc tcgtcaaacc acgaacacca ccgcacaaag atgatgaaaa cgaacagtag 780
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 c 841

<210> 34
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 34
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 tttgaatttc ccactttca aattgaggct ttccaccaacta tattgattgg gatattaata 180
 ccaacgacca tagttttgg gcacatggac ttttcctct caaattaacc atcaacgtcc 240
 tctcaactgtg aatttcacga aacgacactca ttacctcttt ttaattttt cccgtggAAC 300
 tttacaaaca agcaacaacg cttgtggtga tactctcagt tgctcaatac catgtttcca 360
 tggtaaaaa ttggttactc cgccactcac aattcccacc aaacaatttag cgacaat 417

<210> 35
 <211> 1746
 <212> DNA
 <213> Homo sapien

<400> 35
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aattttctct	ctctcttttc	tcaggttggg	aaactctcg	gggtgcccgg	gcggaattct	180
cttataagaa	atatcccttt	tcccccaga	gattataaac	caggtaagcg	cattatatat	240
acccacat	ttctttataa	tatagagtat	agtgggctcc	tatcacaata	tataaaacca	300
cacccat	cacaatagc	gcttttagag	tgtggcattc	tcatctcaca	cagagtat	360
atctctcg	cacatatata	tatTTTata	tatactctcg	tggtggtgtc	ccctattgtg	420
tgcgttataa	gaacattata	acgcgcacaa	gcgatata	tttatata	tctctctcg	480
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acaacgaaca	aaaagaccga	gaagaacaaa	atcgacaaa	cacaacacaa	gcagataaca	1620
ccaaaaacga	ccatacaaaa	tcccacaaca	aaaaactacc	acaaccaaca	accaacaaca	1680
cacacaggat	caagccacaa	acaacacaga	acacacacaa	acaaagaata	cgaagagaac	1740
aaacgc						1746

<210> 36
<211> 740

<212> DNA

<213> Homo sapien

<400> 36

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taggggagac	tacagatgtg	tgccaccata	ctcagctaat	ttttaaactt	tcgttagagac	180
agggtctccc	tgtgttgc	aggctggcct	cgaactcctg	acctcaaaaaa	atcttcctgc	240
cctggcctcc	caaagcactg	ggattatagg	tgtgagccat	tgccctgtgt	cataaattct	300
tgttttagtt	tgttggttta	ttagacgatg	gaatctctct	ctcttgacca	ggcttagaggg	360
ctgtggtgca	gatctcagcc	cactgcaacc	tctatctctt	gagctcaagc	gatcctcctt	420
agcttcccaa	atagctggaa	ctacaggcat	gtgccatcac	gtccagctaa	ttttgtatct	480
ttagtagaga	aggttttacc	atgttggaca	gggtggtctc	gaactcctgg	ctacagtgg	540
ccacctagct	cagcctacca	tgagtgtgt	gattacagtg	cgtgagccac	catgcccagc	600
ctctaaagtc	tgtttgttat	tcaaagtaaa	tatgacatgt	gtttgagtca	cacaaggaaa	660
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<210> 37

<211> 687

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (499)..(499)

<223> a, c, g or t

<400> 37

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tcccttgcag	ttagatctgg	ctgtgaggtt	gagttttagc	cagtggata	acagatggaa	180
gtttccactg	gcctaaccac	taaattcctc	cacaactctt	cccactttta	atcttatgcc	240
cccatgtcgt	ctcttctccc	agccttcttc	gtctcaataa	atgtcaactag	cacatatcca	300
gtcattcaag	gaaaaacaca	atggagaaaaa	ccatcctcaa	ctacccattc	cctttacctc	360
actctttccc	agcatcctgc	aaaatctcgc	tccaaatata	gctccagttt	gtccacttcc	420
ctcccttttc	tccagtctat	aaccttggtt	tactccatca	ctatctctca	attagactat	480
tgaaataaaaa	tcctacctng	gaatctcaaa	aaaaaaacaa	aaacaaaaaaa	aaaaaaagct	540

ctcgggggtc aaccatggg gcaaacgcgt gttcccccggg gggacaatgt gttcccgac	600
ccacattccc cacattggcg caagcacacg ccgcgcacgcg gccggacggc cgcccccacc	660
cacgaacgcc caccgcggac agcgaca	687
<210> 38	
<211> 148	
<212> DNA	
<213> Homo sapien	
<400> 38	
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gcgtggtcgc ggcgaggtac aggaactggc agccgcactg gctgccagaa acgtcagtgg	120
tgctgccat tcggcggaaag gttaggga	148
<210> 39	
<211> 815	
<212> DNA	
<213> Homo sapien	
<400> 39	
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ccaaaaattc cccccccccc cccttttaaa ccccccgtggt ggtgtcgccc tcccttgtgg	180
gaacgaaaca aaagcgggtg gtggtcgccc ctgatgatga cgtcaaccac ctagcacaaa	240
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taatttagtta gtggtggtggc gccggagggc aggggcacac actcatcaat atcttttta	360
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caggaggacg acggaggaga agagaagata ctacatcaa caaaatgggg ctgacgctat	660
tattatattc gatcggggag aagaactata tcccgacaga gaagacggag ggagaagcaa	720
taacaacgac gaaacaaagc gtcacaccgc ggagagaaga aatgggcttc ccccgccaca	780
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<210> 40	
<211> 138	
<212> DNA	
<213> Homo sapien	
<400> 40	

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gg ^{tt} gaccgc	gagcccttag	ctagacaatg	agaggagaat	gtacaccatg	taatttatatc	120
tgcttgc ^{cc} ca	cgaaacaa					138
<210>	41					
<211>	79					
<212>	DNA					
<213>	Homo sapien					
<400>	41					
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gatagcggcgg	ccggggcggt					79
<210>	42					
<211>	887					
<212>	DNA					
<213>	Homo sapien					
<400>	42					
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tcttcccgct	tcctcgctac	atattgactc	gcttgcgctc	ggtcgttctg	gcctgcgggc	180
gagtagagaa	tcagggctca	ctcaaaatgt	gcgggttata	tacggtttat	ccacagaatt	240
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gccaggaacc	cggtaagaaa	gggtcgaggt	ttgtatgcga	cgtaatattc	catatggcat	360
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ggaaatcct	gactaggaac	ttataaagga	ataccaaagg	gcggtttccc	ccacatggaa	480
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ctggaagcgt	aatcataagg	tgacgggta	agagtacggt	agcgattcaa	tagttgtgc	660
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tatataagtc	atgaagttca	gaccggata	aagacacgac	taaatggaca	gtgaaagaga	780
gccactgg ^{tt}	acgcagg ^{tt}	agagcaggag	gaat ^{tt} agg	aggaaacga	gaactgt ^{aa} g	840
tgttggctaa	ctatcg ^{gg} at	agactaaaag	accgtattga	gattagc		887
<210>	43					
<211>	425					
<212>	DNA					
<213>	Homo sapien					
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agtgtacctg aaatagacgt gaattgaagg agaatgaaga aatagaacca tgtaacatca	180
ataaaagacaa agggaaataac acacacattg accaacaaaa aaaaggcaaa gaaatttagaa	240
gaatttacat tggaatagaa acagggtaca tatgacatca aacacccaaa ggctaagagt	300
tgcaaggacg agaccttata agaaagactt gaaggtcact tcaactgatt cacataagat	360
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gagaa	425

<210> 44

<211> 406

<212> DNA

<213> Homo sapien

<400> 44

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ctgtgcctca ttacaaatgc ttttgatgtt ggagtgcgtgt tgttggaaat tatttttctt	180
ttcgggtct tcaaatttc aagaaaagtt ggatgattgg actttggaag attacaaaaa	240
aaaaaaaaaa aaaaaaaaaa acgcttgggg ggtacttcct gggtgctata ggtgtgtgtt	300
cccgtgggtt ggaattgtgg ttccctccgt ctcaacaatt ctccccccac aaacattagc	360
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<210> 45

<211> 1267

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (358)..(358)

<223> a, c, g or t

<220>

<221> misc_feature

<222> (478)..(478)

<223> a, c, g or t

<400> 45

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cactcatttt acaaatttat tcccaaggat ttacatttct cccctctccc tctccccaaa	180

aacgcataca	ttttggatta	aatataacaa	cattctcagg	ctcttataaa	accacctgat	240
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cacagagaca	caactctctca	gtgtggtgtg	tgtgtcctcc	ccccttctca	ggagagangg	360
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aaaaaaaaaa	gaagaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaatgaaa	aagaaaaaaaa	660
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agaacaaaaa	aaaagaaaaa	aaacaaaaaa	caaaaaacaa	gaaaaaaaaa	gaaaaaaaaa	1020
caaaaaagca	aaaaacaaag	aaagagaaga	ggaaaaaata	aagagaaaa	aaacaaaaaa	1080
aaaaagaaaa	atgacaaaaa	acacgaaaaa	acaagataca	acaaaacaag	aaaaagaaac	1140
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<210> 46						
<211> 239						
<212> DNA						
<213> Homo sapien						
 <400> 46						
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<210> 47						
<211> 234						
<212> DNA						
<213> Homo sapien						
 <220>						

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<221> misc_feature
<222> (190)..(190)
<223> a, c, g or t

<400> 47
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ccataggcggt gttcccggtg tgtggaaatg tgtgtatccc gctcacatcc cccacaaaact 180
tacgagaagn atgagagtag actaaggggaa aatgcgagaa gatgcataacc tagg 234

<210> 48
<211> 964
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (364)..(364)
<223> a, c, g or t

<400> 48
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aacagagggg gtagcgcgca cagacagcag agaagacaga acgtaagcag tacgtgagca 840
caaaagcagg gtaaacagcc ccaccgagcg aggagagcaa aaaagctata ctcgaacaaa 900
acaaaaaaaa acaaaaaacc aaaaccaaga aaaaacagaa aaaaagaaaa acacccacaa 960
gaca 964

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<210> 49
 <211> 957
 <212> DNA
 <213> Homo sapien

<400> 49
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 taaggcatacg actcttatttgc aatgagaag taactttgtt aaacaccaag ccttaatcggtt 180
 cattttataaa taagaacatc aataccaata tttaaaataa ctgtatagcc agatatgcta 240
 gcactcgaaa attttacgaa ctaaaagtcg aacatagaag aaattgcata tccatgtctg 300
 cataccctta aggatgcctt ttgggtgtctg atatttttg aaaaatgagag tggtcccaga 360
 aatggttcat gttgtacaag taatttgcctt cttatgttt gtttccttat ttatacacgg 420
 ggtggactgg agagaaggaa caaagtcaat ctgtctgtac atccgcacca gtgtggtacg 480
 gtgcacatcttc catgttacctt ccctcttggaa agatcagaca ccatatgttt tacaatacgc 540
 gttgcccatttgc gcagtattgc ggcgaaaatttgc gcgtttgttt tgtttcaataa ggggctggtg 600
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<210> 50
 <211> 108
 <212> DNA
 <213> Homo sapien

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 <211> 836
 <212> DNA
 <213> Homo sapien

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<210> 69

<211> 411

<212> DNA

<213> Homo sapien

<400> 69

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<210> 70

<211> 1343

<212> DNA

<213> Homo sapien

<400> 70

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 <211> 3259
 <212> DNA
 <213> Homo sapien

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 <211> 762
 <212> DNA
 <213> Homo sapien

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 <211> 989
 <212> DNA
 <213> Homo sapien

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 <213> Homo sapien

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<213> Homo sapien		
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<212> DNA		
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<223> a, c, g or t

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<210> 87
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<212> DNA
 <213> Homo sapien

<400> 87
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<210> 88
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 <212> DNA
 <213> Homo sapien

<400> 88
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<210> 89
 <211> 1729
 <212> DNA

<213> Homo sapien

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<211> 1378
<212> DNA
<213> Homo sapien

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<223> a, c, g or t

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<211> 1278
<212> DNA
<213> Homo sapien

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<223> a, c, g or t

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<210> 92
<211> 421
<212> DNA
<213> Homo sapien

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t 421

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<210> 94
<211> 5631
<212> DNA
<213> Homo sapien

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<210> 95
<211> 96
<212> DNA
<213> Homo sapien

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ttaaaacgat	tatttcaaag	aactatttg	tcgaaagaaa	tactccggga	tcccgatatt	300	
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taagccgatc	cgggggtgtgc	gtcggagcat	aaactatggg	gaggcaatag	caggcagtga	420	
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gtccccaccaa	ttccgcaagc	aacaaacttt	gtaacgagag	agcagataca	ggagatcagc	540	
tcgcaagcga	aagtccagtc	agcggctaac	cacggcagac	acgcccagcc	aagacgtcgt	600	
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<210>	113						
<211>	783						
<212>	DNA						
<213>	Homo sapien						
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<223>	a, c, g or t						
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<221>	misc_feature						
<222>	(403)..(403)						
<223>	a, c, g or t						
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<221>	misc_feature						
<222>	(622)..(622)						
<223>	a, c, g or t						
<400>	113						
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 tttttccct gtaaagattt ttttttttc ctctaaaaaa gtccactttt aaaatgggg 180
 tcccgaaaaa tttaccaggt ggctctttt aaaaggggca aaagggttgc attccaattc 240
 cgggggtttg tttcccccattt ccccaatttt tgggggctgt ggcaaaaacg gggcttta 300
 gggnaaaagag gaggggttgc tttaaaggag acagaggagt ggtataaaac acccgttgc 360
 ttgttgttag gaactcatca atataccata ttctcctac agntgagtgt ggcttcatta 420
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 agaaaacaccg agccccccca antgattggg gccagtaatg atgaggccct gggtgggata 660
 ctcatggtgg cacataaggg gtcgtctccg ggtgttgc accgtgttac tcccgctcac 720
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 aag 783

<210> 114
 <211> 648
 <212> DNA
 <213> Homo sapien

<400> 114
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 aaaaaaaaaaa aaagggtgtgg gacttggggg atgtgggtgg agggaatata cgggtccccca 180
 ttatctttta aaccgtgtgt tccccctttt aaataccggg gattattttt ttccaaggga 240
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 gtccccgggt gggaaatgtg ggtgcaccgg gctcaaaatt cccaccaaacc aattcgagac 360
 aacgaaaaac gaacagcaac aggagaaaaga agaacaaccac cgacacacac gaaacagaag 420
 gagaagagaa agagagagaa acaccaacac acagcaacca agaaaagacg aaaaagaaag 480
 gggaaaaaaga gaaagaaaaag aagaaaaaaag agaaaacaag aagaaagaac accagaaaaga 540
 aaagaaaaac acaaagacaa gacaacacac aaaacaaaaga aaaacagggc gaacaacaaa 600
 agaagacaaa aacagcaacg aaaaacagga gagaactaaa acaaagag 648

<210> 115
 <211> 928
 <212> DNA
 <213> Homo sapien

<400> 115
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 gacaggttgtt gaatgtttt tttgttgtt ttgttgttt taattgctgt taatattttt 360
 taaataataa agaaacaaaaa ctaaaaaaaaaaaaaaaaaaa aaaaaaaaaaa aaaggtgtgg 420
 gacttggggg atgtggtggg agggaatata cggtgccccca ttatctttta aaccgtgtgt 480
 tccccctttt aaataccggg gattattttt ttccaaggga cagttttttt aaagaaaaact 540
 ttggagagtg ggggaggaac cacatgggc aaaaacggcgt gtccccgggt gggaaatgtg 600
 ggtgcaccgg gctcaaaatt cccaccaaac aattcgagac aacgaaaaac gaacagcaac 660
 aggagaaaaga agaacaaaca cgacacacac gaaacagaag gagaagagaa agagagagaa 720
 acaccaacac acagcaacca agaaaagacg aaaaagaaag ggaaaaaaga gaaagaaaaag 780
 aagaaaaaaag agaaaacaag aagaaagaac accagaaaga aaagaaaaac acaaagacaa 840
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 aaaaacagga gagaactaaa acaaagag 928

<210> 116

<211> 82

<212> PRT

<213> Homo sapien

<400> 116

Met Met Arg Glu Ser Phe Phe Val Leu Ala Val Leu Ile Ile Leu Gly
 1 5 10 15

Gly Ala Thr His Pro Pro Pro Pro Pro Pro Cys Ser Thr Pro Ala Val
 20 25 30

Val Phe Pro Pro Ser Leu Val Gln Pro Val Phe Ile Met Thr Cys Cys
 35 40 45

Tyr His Val Val Leu Leu Phe Val Ala Pro Leu Cys Gly Gly Pro Pro
 50 55 60

Pro Leu Glu Arg Ala Ser Pro Val Pro Phe Val Gly Arg Gln Gln Gln
 65 70 75 80

Ser Ala

<210> 117
 <211> 35
 <212> PRT
 <213> Homo sapien

<400> 117

Met Val Phe Phe Phe Phe Phe Phe Lys Lys Trp Ser Leu Cys Asn
 1 5 10 15

Phe Ala Lys Val Asp Phe Glu Phe Arg Gly Pro Ile Asp Pro Pro Thr
 20 25 30

Ser Ala Ser
 35

<210> 118
 <211> 107
 <212> PRT
 <213> Homo sapien

<400> 118

Met Tyr Leu Gly Pro Leu Arg Asn Leu Leu Asp Val Ser Lys Lys Lys
 1 5 10 15

Lys Lys His Pro Gln Lys Glu Gln Pro Arg Gly Ala Leu Glu Cys Gly
 20 25 30

Ser Pro Leu Ser Val Val Leu Cys Phe Ser Pro Ile Ser Phe Leu Glu
 35 40 45

Ala Arg Glu Gly His Pro Ser Val Gly Ser Ser Thr Ile Leu Leu Glu
 50 55 60

Ala Ser His Ser Pro Ala Phe Leu Leu Leu Pro Lys Pro Val Phe Leu
 65 70 75 80

Leu His Leu Gly Glu Gly Gly Lys Cys Val Pro Gly Leu Glu Asn Trp
 85 90 95

Cys Leu Thr Gly Lys Val Ser Gly Pro Pro Arg
 100 105

<210> 119
 <211> 75

<212> PRT

<213> Homo sapien

<400> 119

Met	Ala	Thr	Pro	Val	Phe	Gln	Leu	Leu	Arg	Pro	Arg	Thr	Leu	Gly	Tyr
1															15

Leu	Arg	Thr	Leu	Leu	Ser	Phe	Pro	Met	Ser	Gly	Glu	Ser	Leu	Ser
														30
20								25						

Phe	Val	Asp	Cys	Ala	Thr	Lys	Met	Tyr	Leu	Glu	Ser	Asp	His	Ile	Ser
															45
35						40									

Gly	Thr	Ser	Ala	Ala	Thr	Arg	Ile	His	His	Asn	Leu	Ala	Ala	Ala	Glu
															60
50						55									

Gln	His	Leu	Gly	Asp	Thr	Ser	Pro	His	Arg	His
65				70				75		

<210> 120

<211> 195

<212> PRT

<213> Homo sapien

<400> 120

Met	Ala	Pro	Gly	Tyr	Pro	Pro	Ser	Phe	Leu	Lys	Lys	Lys	Trp	Leu	Leu
1															15
								5		10					

Glu	Asn	Lys	Arg	Arg	His	Pro	Arg	Lys	Leu	Gly	Glu	Glu	Thr	Thr	Phe
															30
20								25							

Cys	Pro	Ser	Pro	Pro	Tyr	Gly	Gly	Leu	Arg	Glu	Pro	Thr	Gly	His	Arg
															45
35							40								

Gln	Pro	Leu	Phe	Ser	Leu	Asp	Arg	Ala	His	Glu	Lys	Val	Pro	Pro	Arg
															50
50							55				60				

Arg	Tyr	Ile	Val	Leu	Val	Gly	Thr	Gln	Ala	Ser	Gly	Pro	Val	Val	Arg
															65
					70				75						80

Val	Arg	Asp	Asn	Thr	Leu	Gly	Lys	Lys	Asn	Lys	Ser	Asn	Asn	Leu	Val
															85
									90						95

Leu	Leu	Leu	Ala	Tyr	Arg	Thr	Arg	Lys	Arg	Asn	Thr	Arg	Ser	Arg	Leu
															100
									105						110

Arg	Leu	Ser	Gln	His	Met	Arg	Glu	Lys	Ala	Leu	Gln	Thr	Trp	Leu	Glu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

115

120

125

Ser Trp Thr Phe Val Lys Gly Glu Lys Ile Val Pro Ala Pro His Val
 130 135 140

Leu Leu Thr Ala Leu Arg Ser Thr Gly Asn Pro Gln Arg Lys Gly Gly
 145 150 155 160

Gly Glu Ser Trp Val Leu Gly Trp Glu Gln Leu Cys Gly Thr Pro Pro
 165 170 175

Glu Leu Arg Val Trp Val Lys Gly Ser His Asn Ser Phe Phe Lys Lys
 180 185 190

Asn Lys Phe
 195

<210> 121
 <211> 36
 <212> PRT
 <213> Homo sapien

<400> 121

Met Ser Cys Phe Phe Ala Phe Leu Lys Met Glu Val Thr Ala Lys
 1 5 10 15

Trp Glu Ile Asn Leu Pro Ile Asn Ser Cys Asn Met Thr Thr Ala Glu
 20 25 30

Gln Cys Leu Glu
 35

<210> 122
 <211> 117
 <212> PRT
 <213> Homo sapien

<400> 122

Met Leu Arg Gly Ala Arg Glu Thr His Ile Ser Thr His His Ala Trp
 1 5 10 15

Asn Thr Ala Leu Leu Glu Thr Thr Arg Asp Val Tyr Pro Pro Gln Leu
 20 25 30

Ser Cys Leu Gly Gly Glu Arg Lys Ile Trp Leu Val Arg Gln Gly Gly
 35 40 45

Phe Val Pro His Leu Arg Gly Gly Gly Glu Asn Ile Pro Arg Leu Val
 50 55 60

Phe Val Tyr Lys Thr Asn Lys Cys Lys Lys Leu Ser Thr Asn Phe Phe
 65 70 75 80

Gly Thr Lys Gly Val Gly Val Ser Arg Arg Ser Phe Ala His Gly Thr
 85 90 95

Ala Glu Trp Ser Gln Ser Ser Val Glu Thr Lys Ile His Phe Ala Ser
 100 105 110

Thr Phe Lys Pro Val
 115

<210> 123

<211> 10

<212> PRT

<213> Homo sapien

<400> 123

Met Gly Arg Ser Leu Glu Val His Gly Val
 1 5 10

<210> 124

<211> 42

<212> PRT

<213> Homo sapien

<400> 124

Met Trp Arg Lys Gln Phe Pro Pro Gly Glu Thr Val Trp Pro Gly Phe
 1 5 10 15

Pro Pro Gly Phe Phe Phe Leu Leu Cys Phe Phe Gly Asn Ser Phe
 20 25 30

Met Thr Phe Asn Leu Thr Met Asn Tyr Gln
 35 40

<210> 125

<211> 315

<212> PRT

<213> Homo sapien

<400> 125

Phe Tyr Tyr Lys Thr Lys Ile Thr Lys Thr Gly Trp Tyr Trp His Lys
 1 5 10 15

Asp Lys His Leu Asp Gln Ala Asn Arg Ile Glu Thr Ala Glu Val Asn
20 25 30

Ser Tyr Ile Tyr Leu Gln Leu Asn Phe Tyr Lys Gly Val Arg Thr Ile
35 40 45

Pro Ser Glu Asn Asn Ile Phe Asn Lys Ser Leu Trp Val Asn Cys Ile
50 55 60

Asp Thr Cys Lys Thr Met Lys Leu Asp Ser Ala His Ile Leu Tyr Ala
65 70 75 80

Lys Ile Asn Phe Asn Ala Leu Gln Thr Ala Ile Gln Glu Leu Lys Leu
85 90 95

Lys Ile Ile Glu Glu Lys Val Arg Val Thr Leu His Asp Leu Ala Phe
100 105 110

Asn Asn Glu Leu Ser Ile Met Ile Pro Lys Thr Gln Ala Ile Lys Asn
115 120 125

Lys Lys Asp Lys Arg Gln Pro Thr Lys Trp Glu Lys Ile Cys Ala Asn
130 135 140

Tyr Ile Ser Asn Lys Asp Leu Leu Ser Arg Leu Ala Leu Leu Gln Pro
145 150 155 160

Tyr Thr Lys Thr Ala Leu Ile Ala Lys Leu Pro Lys Asp Leu Asn Arg
165 170 175

His Phe Phe Lys Glu Asp Ile Leu Val Ala Gln Lys His Met Lys Arg
180 185 190

Cys Ser Ile Ser Leu Ile Ile Arg Glu Met Gln Ile Lys Ser Pro Met
195 200 205

Arg Tyr His Phe Thr Pro Thr Arg Met Ala Ile Ile Lys Lys Lys Thr
210 215 220

Glu Asn Asn Lys Gly Phe Ser Gly Cys Gly Glu Ile Cys Asn Phe Ile
225 230 235 240

His Cys Trp Ala Glu Tyr Thr Met Ala Gln Pro Pro Trp Arg Thr Val
245 250 255

Trp Glu Val Leu Gln Lys Val Glu Gln Asn Tyr Asn Met Thr Gln Gln

260

365

270

Ile Pro Leu Leu Asp Ile Tyr Pro Gln Lys Asn Lys Thr Cys Cys Pro
275 280 285

Leu Lys Pro Cys Thr Gln Met Phe Thr Ala Ile Leu Phe Ile Ile Ala
290 295 300

Lys Lys Lys Val Glu Thr Thr Asn Gln Trp Ile
305 310 315

<210> 126
<211> 66
<212> PRT
<213> *Homo sapien*

<400> 126

Met Phe Leu Pro Tyr Gly Lys Ser Glu Ala Ala Arg Glu Ala Ser Gly
1 5 10 15

Ala Cys Lys Thr Thr Asp Gly Ile Val Ser Glu Leu Thr Met Asn Thr
 20 25 30

Cys Ser Pro Leu Ser Ile Asp Gln Ser Lys Ser Asn Val Val Gly Lys
35 40 45

Gly Pro Ser Pro Thr Val Gly Gly Glu Gly Cys Gly His Leu Pro Leu
 50 55 60

Ala Asp
65

```
<210> 127
<211> 40
<212> PRT
<213> Homo sapien

<400> 127
```

Met. Clu. Th.

1 5 10 15

20 25 30

35 40

<210> 128

<211> 80

<212> PRT

<213> Homo sapien

<400> 128

Met	Gly	Val	Gly	Ala	Gly	Arg	Thr	Phe	Phe	Thr	Arg	Gly	Pro	Ser	Ser
1															
														15	

Gly	Pro	Val	Val	Arg	Arg	Asn	Ala	Leu	Pro	Phe	Phe	Phe	Leu	Lys	Lys
														30	

Gly	Val	Ser	Cys	Leu	Phe	Cys	His	Arg	Leu	Gly	Gly	His	Asn	Trp	Glu
														45	

Gln	Ile	Val	Gly	Gly	Ser	Val	Ile	Arg	Phe	His	Pro	Pro	Thr	Gly	Val
														60	

Tyr	Ser	Ala	Ile	Leu	Pro	Val	Ala	Arg	Leu	Pro	Cys	Leu	Pro	Trp	Arg
														80	

<210> 129

<211> 88

<212> PRT

<213> Homo sapien

<400> 129

Met	Tyr	Leu	Ser	Phe	Met	Ser	Pro	Arg	Arg	His	Thr	Gln	Lys	Val	Lys
1															
														15	

Ser	Pro	Gly	Arg	Gly	Leu	Arg	Ser	Leu	Pro	Ser	Gly	Leu	Pro	Pro	Ala
														30	

Arg	Glu	Ala	Pro	Gln	Cys	Gly	Arg	Pro	Leu	Pro	Arg	Pro	Thr	Pro	Arg
														45	

Leu	Cys	Pro	Val	Pro	Thr	Leu	Ala	Val	Trp	Ala	Thr	Pro	Ser	Glu	Leu
														60	

Leu	Glu	Ala	Thr	Asn	Thr	Gln	Val	Ser	Tyr	Ser	Thr	Ser	Thr	Asp	Pro
														80	

Gly	Leu	Met	Gly	Leu	Tyr	Ile	Lys								
														85	

<210> 130

<211> 49

<212> PRT

<213> Homo sapien

<400> 130

Met Asn Gln Asn Arg Gly Ser Gln Ser Arg Glu Lys Lys Ile Leu Gly
 1 5 10 15

Ser Glu Ser Thr Leu Cys Pro Phe Glu Leu Gln Lys Glu Lys Glu Thr
 20 25 30

Lys Ala Lys Ser Asn Gly Gly Gln Ala Ala Arg Tyr Leu Pro Gly Arg
 35 40 45

Arg

<210> 131

<211> 87

<212> PRT

<213> Homo sapien

<400> 131

Met Val Val Phe Val Ser Cys Met Tyr Arg Phe Cys Ser Leu Arg Leu
 1 5 10 15

Leu Thr Val Gly Arg Arg His Lys Met Gly Ala Asp Cys Phe Ser His
 20 25 30

Asn Ile Cys Gly Gly Asn Cys Gly Ala Gly Met Thr Pro His Phe Gln
 35 40 45

His Gln Gly Thr Ser Val Met Ala His Glu Phe Ser Val Pro Ser Phe
 50 55 60

Ser Cys Glu Ser Gln Asp Ile Ser Cys Ala Phe Ser His Lys Asp Thr
 65 70 75 80

Arg Glu Gly Pro Gly Val His
 85

<210> 132

<211> 26

<212> PRT

<213> Homo sapien

<400> 132

Met Leu Ser Ser Gly Ala Val Val Met Ile Glu Arg Arg Pro Gly Gln
 1 5 10 15

Val Leu Ala Leu Lys Thr Ile Thr Lys Gln
20 25

<210> 133
<211> 519
<212> PRT
<213> Homo sapien

<400> 133

Met Thr Cys Pro Asp Lys Pro Gly Gln Leu Ile Asn Trp Phe Ile Cys
1 5 10 15

Ser Leu Cys Val Pro Arg Val Arg Lys Leu Trp Ser Ser Arg Arg Pro
20 25 30

Arg Thr Arg Arg Asn Leu Leu Leu Gly Thr Ala Cys Ala Ile Tyr Leu
35 40 45

Gly Phe Leu Val Ser Gln Val Gly Arg Ala Ser Leu Gln His Gly Gln
50 55 60

Ala Ala Glu Lys Gly Pro His Arg Ser Arg Asp Thr Ala Glu Pro Ser
65 70 75 80

Phe Pro Glu Ile Pro Leu Asp Gly Thr Leu Ala Pro Pro Glu Ser Gln
85 90 95

Gly Asn Gly Ser Thr Leu Gln Pro Asn Val Val Tyr Ile Thr Leu Arg
100 105 110

Ser Lys Arg Ser Lys Pro Ala Asn Ile Arg Gly Thr Val Lys Pro Lys
115 120 125

Arg Arg Lys Lys His Ala Val Ala Ser Ala Ala Pro Gly Gln Glu Ala
130 135 140

Leu Val Gly Pro Ser Leu Gln Pro Gln Glu Ala Ala Arg Glu Ala Asp
145 150 155 160

Ala Val Ala Pro Gly Tyr Ala Gln Gly Ala Asn Leu Val Lys Ile Gly
165 170 175

Glu Arg Pro Trp Arg Leu Val Arg Gly Pro Gly Val Arg Ala Gly Gly
180 185 190

Pro Asp Phe Leu Gln Pro Ser Ser Arg Glu Ser Asn Ile Arg Ile Tyr

195

200

205

Ser Glu Ser Ala Pro Ser Trp Leu Ser Lys Asp Asp Ile Arg Arg Met
210 215 220

Arg Leu Leu Ala Asp Ser Ala Val Ala Gly Leu Arg Pro Val Ser Ser
225 230 235 240

Arg Ser Gly Ala Arg Leu Leu Val Leu Glu Gly Gly Ala Pro Gly Ala
245 250 255

Val Leu Arg Cys Gly Pro Ser Pro Cys Gly Leu Leu Lys Gln Pro Leu
260 265 270

Asp Met Ser Glu Val Phe Ala Phe His Leu Asp Arg Ile Leu Gly Leu
275 280 285

Asn Arg Thr Leu Pro Ser Val Ser Arg Lys Ala Glu Phe Ile Gln Asp
290 295 300

Gly Arg Pro Cys Pro Ile Ile Leu Trp Asp Ala Ser Leu Ser Ser Ala
305 310 315 320

Ser Asn Asp Thr His Ser Ser Val Lys Leu Thr Trp Gly Thr Tyr Gln
325 330 335

Gln Leu Leu Lys Gln Lys Cys Trp Gln Asn Gly Arg Val Pro Lys Pro
340 345 350

Glu Ser Gly Cys Thr Glu Ile His His His Glu Trp Ser Lys Met Ala
355 360 365

Leu Phe Asp Phe Leu Leu Gln Ile Tyr Asn Arg Leu Asp Thr Asn Cys
370 375 380

Cys Gly Phe Arg Pro Arg Lys Glu Asp Ala Cys Val Gln Asn Gly Leu
385 390 395 400

Arg Pro Lys Cys Asp Asp Gln Gly Ser Ala Ala Leu Ala His Ile Ile
405 410 415

Gln Arg Lys His Asp Pro Arg His Leu Val Phe Ile Asp Asn Lys Gly
420 425 430

Phe Phe Asp Arg Ser Glu Asp Asn Leu Asn Phe Lys Leu Leu Glu Gly
435 440 445

Ile Lys Glu Phe Pro Ala Ser Ala Val Ser Val Leu Lys Ser Gln His
 450 455 460

Leu Arg Gln Lys Leu Leu Gln Ser Leu Phe Leu Asp Lys Val Tyr Trp
 465 470 475 480

Glu Ser Gln Gly Gly Arg Gln Gly Ile Asp Lys Leu Ile Asp Val Ile
 485 490 495

Glu His Arg Ala Lys Ile Leu Ile Thr Tyr Ile Asn Ala His Gly Val
 500 505 510

Lys Val Leu Pro Met Asn Glu
 515

<210> 134

<211> 66

<212> PRT

<213> Homo sapien

<400> 134

Met Gly Arg Asp Lys Ser Glu Val Thr Val Asn Asn Lys Val Met Phe
 1 5 10 15

Tyr Gly Tyr Phe Ile Gly Asp Lys Phe Ile Thr Arg Ala Ile Ser Tyr
 20 25 30

His Val Leu Ile Leu Pro Gly Cys Asn Met Val Thr Leu Glu Thr Gln
 35 40 45

Ile Leu Asn Ile Gly Val Lys Thr Thr Ser Cys His Ser Ile Leu Ser
 50 55 60

Thr Val

65

<210> 135

<211> 91

<212> PRT

<213> Homo sapien

<400> 135

Met Val Cys Val Val Val Ala Cys Gly Trp Ala Asp Val Cys Val Pro
 1 5 10 15

Ser Trp Cys Val Leu Cys Cys Ser Val Val Ser Trp Leu Val Val Val

20

25

30

Cys Trp Cys Leu Tyr Ala Ser Val Leu Cys Glu Ser Ala Val Thr Val
 35 40 45

Val Ala Leu Leu Cys Ser Leu Ala Ser Ala Ser Val Gly Val Trp Trp
 50 55 60

Ser Val Phe Trp Trp Cys Ser Phe Leu Leu Cys Val Leu Cys Val Val
 65 70 75 80

Phe Asp Arg Leu Arg Trp Pro Ala Ile Cys Thr
 85 90

<210> 136

<211> 76

<212> PRT

<213> Homo sapien

<400> 136

Met Leu Thr Cys Ser Gly Phe His Gly Thr Asp Tyr Pro Phe Ile Asn
 1 5 10 15

Thr Glu Asn Arg Lys Thr Thr Gln Lys Lys Lys Lys Thr Gln Thr Leu
 20 25 30

Gly Arg Gln Pro Gly Val Pro Thr Val Leu Pro Arg Cys Gly Leu Thr
 35 40 45

Leu Cys Thr Arg Pro Thr Asn Leu Pro Pro Thr His Phe Ser Asn His
 50 55 60

Asn Thr Ser Thr Pro Leu Thr Lys Asp Ser Thr Ile
 65 70 75

<210> 137

<211> 101

<212> PRT

<213> Homo sapien

<400> 137

Met Trp Leu Ser Pro Ala Ser His Asn Ser Pro Pro Gln His Ser Gly
 1 5 10 15

Arg Asp Thr Lys Thr Ser Thr Gln Arg Gly Gly Val Thr Arg Thr Asn
 20 25 30

Ser Gly Ala Asp Glu Pro His Asn Lys His Ile Glu Thr Glu Ile Thr
 35 40 45

Lys Thr Asp Thr Asn Asn Arg Asp Thr Gln Arg Thr Lys Gln Ala Gln
 50 55 60

Lys Pro Asn Lys Glu Glu Ala Arg Lys Ala Gln Pro Thr Ser Thr Thr
 65 70 75 80

Thr Asn Lys Thr Asn Gly Thr Lys Glu His Ser Lys Gln Gln Thr Pro
 85 90 95

Thr His Asn His Thr
 100

<210> 138

<211> 80

<212> PRT

<213> Homo sapien

<400> 138

Met Val Cys Ala Ala Trp Leu Pro Ser Ala Cys Pro Pro Trp Ser Val
 1 5 10 15

Asp Ala Pro Ser Thr Pro Leu Leu Gly Pro Cys Gln Pro Leu Val Val
 20 25 30

Glu Phe Ser Ser Pro Gly Val Val Val Gly Gly Pro Ser Met Ser Val
 35 40 45

Trp Gly Gly Arg Leu Arg Cys Pro His Trp Met Gln Pro Phe Ser Thr
 50 55 60

Ile Ser Gly Leu Lys Arg Asp Arg Val Arg Asn Val Asp Pro Leu Val
 65 70 75 80

<210> 139

<211> 36

<212> PRT

<213> Homo sapien

<400> 139

Met His Leu Glu Arg Arg Ser Val Met Asp Gly Glu Val Asn Leu Ile
 1 5 10 15

Ser Leu Ser Gly Phe Leu Ser Tyr Cys Ile Phe Ile Tyr Lys Thr Asn
 20 25 30

Phe Ile Leu Lys
35

<210> 140
<211> 45
<212> PRT
<213> Homo sapien

<400> 140

Met Trp Asn Phe Val Phe Leu Leu Ile Gly Gly Gly Gly Leu Ile Arg
1 5 10 15

Gly Val Val Cys Ala Pro Arg Arg Met Val Gly Val Cys Glu Asn Asn
20 25 30

Lys Lys Asn Val Leu Arg Arg Glu Arg Gly Val Val Cys
35 40 45

<210> 141
<211> 136
<212> PRT
<213> Homo sapien

<400> 141

Met Gly Trp Asn Thr Val Gly Arg Ser Gln Leu Ser Ala Ala Leu Asn
1 5 10 15

Ser Trp Ala Gln Ala Met Phe Ser Pro Gln Leu Pro Ser Ser Trp Ala
20 25 30

Cys Arg His Val Ser Ala Cys Leu Ala Tyr Phe Leu Phe Phe Phe
35 40 45

Ser Phe Phe Phe Phe Leu Phe Phe Phe Tyr Phe Phe Phe Leu Leu
50 55 60

Lys Arg Ala Gly Gly His Ile Met Val Trp Arg Arg Arg Arg Trp
65 70 75 80

Ser Leu Gln Thr Ser Gly Val Pro Glu Val Val Phe Ser Ala Glu Cys
85 90 95

Cys Val Thr Thr Arg Cys Arg Gly Ser Thr Arg Trp Gly Lys Glu Ser
100 105 110

Val Ala Trp Gly Arg Asn Val Val Val Ala Arg Pro Asn Phe Ala Pro
115 120 125

Lys Ile Ala Arg Thr His Glu Asn
130 135

<210> 142
<211> 51
<212> PRT
<213> Homo sapien

<400> 142

Met Asp Gln Ile Phe Pro Lys Arg Tyr Leu Met His Asn Ala Lys Lys
1 5 10 15

Thr Lys Lys Lys Lys Arg Gly Gly Lys Pro Ala Gln Glu Arg Ala
20 25 30

Arg Gly Glu Thr Gly Val Pro Gly Pro Asn Phe Pro Lys Lys Phe Ala
35 40 45

Thr Gln Lys
50

<210> 143
<211> 219
<212> PRT
<213> Homo sapien

<400> 143

Met Val Leu Ala Leu Ile Val Asp Leu Cys Leu Trp Leu Ser Pro Arg
1 5 10 15

Thr Gly Ala Gly Arg Leu Thr Ser Phe Leu Ser Leu Ser Leu Cys Arg
20 25 30

Leu Ser Leu Cys Leu Phe Tyr Leu Phe Gly Val Ser Gly Gly Trp Cys
35 40 45

Gly Asp Ser Ser Ser Phe Ser Val Leu Pro Pro Arg Ile Arg Phe Arg
50 55 60

Gly Arg Arg Ala Ala Val Val Ala Ser His Leu Leu Ile Ser Ala Pro
65 70 75 80

Pro Leu Phe Cys Val Val Phe Leu His Cys Cys Ser Ala Val Cys Ser
85 90 95

Ser Trp Arg Arg Val Ser Gly Leu Cys Arg Pro Pro Leu Leu Arg Ser

100

105

110

Ser Arg Phe Cys Arg Arg Pro Leu Leu Leu Ser Phe Ile Thr Pro His
 115 120 125

Leu Ser Ser Ser Arg Arg Gly Val Val Thr Phe Gly Leu Val Leu Pro
 130 135 140

Phe Phe Trp Trp Leu Gly Arg Arg Ala His Asp Phe Phe Val Ser Pro
 145 150 155 160

Arg Trp Leu Gly Ala Pro Gly Pro Pro Lys Lys Lys Pro Pro Pro Pro
 165 170 175

Pro Thr Pro Gln Lys Lys Lys Thr Pro Pro Pro Pro Pro Lys Lys Lys
 180 185 190

Lys
 195 200 205

Lys Lys Lys Gly Gly Thr Ser Ala Ala Thr
 210 215

<210> 144

<211> 37

<212> PRT

<213> Homo sapien

<400> 144

Met Arg Ser Phe Arg Glu Ile His Ser Glu Arg Thr Leu Met Val Asn
 1 5 10 15

Leu Arg Gly Lys Ser Gln Asp Ala Gln Lys Leu Trp Ser Leu Val Leu
 20 25 30

Ile Ser Gln Ser Ile
 35

<210> 145

<211> 280

<212> PRT

<213> Homo sapien

<400> 145

Met Val Val Phe Gly Val Ile Cys Leu Cys Cys Val Cys Pro Ile Leu
 1 5 10 15

Phe Phe Ser Val Phe Leu Phe Val Val Val Cys Ser Val Val Cys Leu
 20 25 30

Leu Ser Leu Val Ser Ala Gly Cys Leu Val Gly Glu Leu Pro Phe Cys
 35 40 45

Phe Ser Phe Val Leu Cys Val Leu Gly Arg Ala Leu Ser Leu Leu Pro
 50 55 60

Ser Leu Val Val Trp Leu Leu Ser Ser Ser Leu Cys Val Ser Leu Trp
 65 70 75 80

Ser Phe Leu Leu Phe Leu Val Leu Val Val Leu Val Ser Arg Gly Phe
 85 90 95

Phe Ser Phe Val Ser Gly Ile Cys Val Cys Val Leu Cys Leu Leu Ser
 100 105 110

Phe Val Phe Val Val Cys Cys Arg Leu Arg Leu Phe Ile Ser Arg Leu
 115 120 125

Cys Leu Leu Arg Phe Leu Tyr Leu Ser Ser Val Cys Phe Ser Leu Phe
 130 135 140

Phe Ser Phe Ala Val Val Ser Arg Val Leu Phe Pro Thr Arg Gly Cys
 145 150 155 160

Val Leu Leu Trp Leu Arg Gly Asp Thr Gln Ile Leu Trp Gly Gly Lys
 165 170 175

Val Cys Gly Arg Arg Pro Arg Gly Asp Thr Pro His Met Met Phe Pro
 180 185 190

His Pro His Ala Gly Leu Ile Thr Ala Leu Phe Gly Ala Pro Thr Arg
 195 200 205

Gly Val Tyr Ser Pro Pro Thr Ala Arg Phe Phe Val Val Tyr Ile Ile
 210 215 220

Gly Asp Thr Ser Phe Phe Arg Gly Gly Pro His His Tyr Leu Gly Gly
 225 230 235 240

Ser Thr His Leu Gly Glu Thr Pro Arg Ala Val Ser Ser Leu Ile Ile
 245 250 255

Tyr Ile Lys Ile Tyr Gly Ala Arg Asp Arg Arg Tyr Ile Thr Arg Gly

260

265

270

Leu Ser Phe Val Asp Ser Glu Lys
275 280

<210> 146
<211> 95
<212> PRT
<213> Homo sapien

<400> 146

Met Pro Val Val Pro Ala Ile Trp Glu Ala Lys Glu Asp Arg Leu Ser
1 5 10 15

Ser Gly Asp Arg Gly Cys Ser Gly Leu Arg Ser Ala Pro Gln Pro Ser
20 25 30

Ser Leu Val Lys Arg Glu Arg Phe His Arg Leu Ile Asn Gln Gln Thr
35 40 45

Lys Thr Arg Ile Tyr Asp Gln Ala Gln Trp Leu Thr Pro Ile Ile Pro
50 55 60

Val Leu Trp Glu Ala Arg Ala Gly Arg Phe Phe Glu Val Arg Ser Ser
65 70 75 80

Arg Pro Ala Trp Ala Thr Gln Gly Asp Pro Val Ser Thr Lys Val
85 90 95

<210> 147
<211> 90
<212> PRT
<213> Homo sapien

<400> 147

Arg Ile Tyr Asp Gln Ala Gln Trp Leu Thr Pro Ile Ile Pro Val Leu
1 5 10 15

Trp Glu Ala Arg Ala Gly Arg Phe Phe Glu Val Arg Ser Ser Arg Pro
20 25 30

Ala Trp Ala Thr Gln Gly Asp Pro Val Ser Thr Lys Ser Leu Lys Ile
35 40 45

Ser Ala Val Trp Trp His Thr Ser Val Val Ser Pro Thr Leu Glu Ala
50 55 60

Glu Val Asp Cys Ser Ser Pro Gly Val Gln Ala Ser Val Ser Tyr Asp
 65 70 75 80

His Ser Thr Ala Leu Pro Ala Arg Gln Glu
 85 90

<210> 148
 <211> 79
 <212> PRT
 <213> Homo sapien

<400> 148

Met Ser Ser Leu Leu Pro Ala Phe Phe Val Ser Ile Asn Val Thr Ser
 1 5 10 15

Thr Tyr Pro Val Ile Gln Gly Lys Thr Gln Trp Arg Lys Pro Ser Ser
 20 25 30

Thr Thr His Ser Leu Tyr Leu Thr Leu Ser Gln His Pro Ala Lys Ser
 35 40 45

Arg Ser Lys Tyr Ser Ser Ser Leu Ser Thr Ser Leu Pro Phe Leu Gln
 50 55 60

Ser Ile Thr Leu Val Tyr Ser Ile Thr Ile Ser Gln Leu Asp Tyr
 65 70 75

<210> 149
 <211> 32
 <212> PRT
 <213> Homo sapien

<400> 149

Met Gly Ser Thr Thr Asp Val Ser Gly Ser Gln Cys Gly Cys Gln Phe
 1 5 10 15

Leu Tyr Leu Ala Ala Thr Thr Leu Ser Ile Thr Leu Arg Arg Ser Arg
 20 25 30

<210> 150
 <211> 57
 <212> PRT
 <213> Homo sapien

<400> 150

Met Gly Leu Thr Leu Leu Tyr Ser Ile Gly Glu Lys Asn Tyr Ile
 1 5 10 15

Pro Thr Glu Lys Thr Glu Gly Glu Ala Ile Thr Thr Thr Lys Gln Ser
 20 25 30

Val Thr Pro Arg Arg Glu Glu Met Gly Phe Pro Arg His Thr Pro His
 35 40 45

Asn His Leu Gln Gln Pro Gln Pro Ser
 50 55

<210> 151
 <211> 28
 <212> PRT
 <213> Homo sapien

<400> 151

Met Phe Arg Gly Gln Ala Asp Ile Ile Thr Trp Cys Thr Phe Ser Ser
 1 5 10 15

His Cys Leu Ala Lys Gly Ser Arg Ser Thr Ser Ser
 20 25

<210> 152
 <211> 13
 <212> PRT
 <213> Homo sapien

<400> 152

Met Ser Ser Gly Ala Gly Glu Asp Ser Gly Ala Gly Arg
 1 5 10

<210> 153
 <211> 87
 <212> PRT
 <213> Homo sapien

<400> 153

Met Gly Ala Leu Phe Pro Leu Pro Arg Tyr Ile Leu Thr Arg Leu Arg
 1 5 10 15

Ser Val Val Leu Ala Cys Gly Arg Val Glu Asn Gln Gly Ser Leu Lys
 20 25 30

Met Cys Gly Leu Tyr Thr Val Tyr Pro Gln Asn Ser Gly Asp Asn Ala
 35 40 45

Gly Glu Asn Asn His Val Glu Thr Lys Lys Cys His Ala Asn Lys Gly
 50 55 60

Gln Glu Pro Gly Lys Lys Gly Ser Arg Phe Val Cys Asp Val Ile Phe
 65 70 75 80

His Met Ala Ser Ser Pro His
 85

<210> 154
 <211> 57
 <212> PRT
 <213> Homo sapien

<400> 154

Met Ser Tyr Val Pro Cys Phe Tyr Ser Asn Val Asn Ser Ser Asn Phe
 1 5 10 15

Phe Ala Phe Phe Leu Leu Val Asn Val Cys Val Ile Ser Phe Val Phe
 20 25 30

Ile Asp Val Thr Trp Phe Tyr Phe Phe Ile Leu Leu Gln Phe Thr Ser
 35 40 45

Ile Ser Gly Thr Leu Phe Ala Ala Lys
 50 55

<210> 155
 <211> 115
 <212> PRT
 <213> Homo sapien

<400> 155

Met Phe Val Gly Gly Glu Leu Leu Arg Pro Glu Glu Pro Gln Phe His
 1 5 10 15

Pro Thr Gly Thr His Thr Tyr Ser Thr Gln Glu Val Pro Pro Lys Arg
 20 25 30

Phe Phe Phe Phe Phe Phe Phe Cys Asn Leu Pro Lys Ser Asn His
 35 40 45

Pro Thr Phe Leu Glu Ile Leu Lys Thr Pro Lys Arg Lys Ile Ile Ser
 50 55 60

Asn Asn Ser Thr Pro Thr Ser Lys Ala Phe Val Met Arg His Ser Gln
 65 70 75 80

Ser Ile Phe Phe Phe Phe Phe Leu Val Arg Val Ser Val Thr Gln
 85 90 95

Ala Gly Ile Gln Trp Cys Asp Leu Ser Ser Pro Gln Pro Pro Pro Pro
 100 105 110

Arg Phe Lys
 115

<210> 156
 <211> 67
 <212> PRT
 <213> Homo sapien

<400> 156

Met Cys Val Tyr Ile Ser Pro Gly Ser Thr His Lys Phe Ser His Thr
 1 5 10 15

Pro His Thr His Ile Ile Leu Gly Arg Ala Thr Gln Asn Ala Lys Lys
 20 25 30

Lys Met Lys Lys Lys
 35 40 45

Lys Lys Lys Lys Lys Lys Glu Lys Ile Lys Glu Asn Gln Arg Gln Thr
 50 55 60

Glu Lys Thr
 65

<210> 157
 <211> 51
 <212> PRT
 <213> Homo sapien

<400> 157

Met His Ile Tyr Leu Val Arg Ile Pro Phe Gly Leu Leu Asn Arg Leu
 1 5 10 15

Thr Leu Glu Phe Ala Gln Asp Thr Glu Ala Asn Leu Ser Ala Gly Lys
 20 25 30

Asn Pro Asp Ala Pro His Ile Leu Arg Glu Pro His Met Ser Cys Ser
 35 40 45

Tyr Cys Cys
 50

<210> 158
 <211> 135

<212> PRT

<213> Homo sapien

<400> 158

Met	Phe	Phe	Val	Arg	Ala	Cys	Ile	Leu	Phe	Tyr	Thr	Gln	Tyr	Leu	Ser
1															
														15	

Phe	Glu	Trp	His	Leu	Gln	Tyr	Ala	Ala	Pro	Thr	Pro	Ser	Phe	Cys	Ser
													25	30	

Leu	Arg	His	Leu	Leu	Cys	Ser	Cys	Leu	Pro	His	Phe	Tyr	Cys	Leu	Val
													45		
35							40								

Val	Cys	Leu	Leu	Pro	Ala	Ser	Leu	Ser	Val	Leu	Pro	Pro	Phe	Leu	Phe
													50	60	

Leu	Pro	Leu	Leu	Ala	Leu	Asp	Thr	Leu	Phe	Ala	Val	Thr	Arg	Lys	Cys
													65	75	

Leu	Cys	Gly	Gly	Lys	Phe	Val	Glu	Ser	Arg	Glu	Arg	Tyr	Thr	His	Ile
													85	90	95

Val	Thr	His	Thr	Arg	Gly	Thr	His	Ser	Tyr	Trp	Arg	Pro	Gln	Arg	Val
													100	105	110

Phe	Thr	Pro	Gln	Arg	Leu	Phe	Ser	Leu	Phe	Ile	Ile	Ser	Pro	Arg	Glu
													115	120	125

Lys	Asn	Tyr	Lys	Glu	Val	Ile									
													130	135	

<210> 159

<211> 102

<212> PRT

<213> Homo sapien

<400> 159

Met	Arg	Val	Val	Pro	Glu	Met	Val	His	Val	Val	Gln	Val	Ile	Cys	Leu
1															
													15		

Leu	Met	Phe	Val	Ser	Leu	Phe	Ile	His	Gly	Val	Asp	Trp	Arg	Glu	Gly
													20	25	30

Thr	Lys	Ser	Ile	Cys	Leu	Tyr	Ile	Arg	Thr	Ser	Val	Val	Arg	Cys	Ile
													35	40	45

Phe	His	Val	Thr	Ser	Leu	Leu	Glu	Asp	Gln	Thr	Pro	Tyr	Val	Leu	Gln
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

100
50 55 60

Tyr Ala Leu Pro Met Ala Val Leu Arg Arg Lys Leu Arg Leu Phe Cys
65 70 75 80

Phe Asn Arg Gly Trp Cys Thr Trp Leu Ser Lys Tyr Ser Val Lys Ser
85 90 95

Ser Ile Ser Glu Gly Asn
100

<210> 160
<211> 21
<212> PRT
<213> Homo sapien

<400> 160

Met Ser Val Leu Ser Val Ala Glu Leu Ser Val Ser Trp His Ser Cys
1 5 10 15

Ala Cys Val Lys Leu
20

<210> 161
<211> 16
<212> PRT
<213> Homo sapien

<400> 161

Met Thr Thr Ser Val Val Asn Phe Arg Asn Tyr Phe Phe Thr Ser Val
1 5 10 15

<210> 162
<211> 85
<212> PRT
<213> Homo sapien

<400> 162

Met Arg Gly Phe Leu Phe Pro Asp Gly Ile Gln Gly Ala Thr Ser Phe
1 5 10 15

Phe Leu Pro Gly Lys Lys Arg Tyr Thr Cys Cys Leu Asp Ser Ser Pro
20 25 30

His Phe Pro Pro Val Leu His His Gly Pro Leu Asn Phe Leu Phe Val
35 40 45

Leu Leu Pro Pro Ser Asn Asn His Glu Asn Asn Leu Gly Glu Val Phe

101

50

55

60

Gln Ile Met Lys Lys Lys Gln Lys Lys Gln Asn Asn Gln Arg Gly
65 70 75 80

Asp Leu Gly Arg Asp
85

<210> 163

<211> 40

<212> PRT

<213> Homo sapien

<400> 163

Met Tyr Leu Thr Leu Ser Phe Ser Val Met Tyr Asn Cys His Phe Leu
1 5 10 15

Ile Leu Tyr Ile Met Tyr Leu Phe Asp Ile Arg Phe Asn Asn Tyr Ile
20 25 30

Asn Phe Ile His Ser Leu Phe Glu
35 40

<210> 164

<211> 33

<212> PRT

<213> Homo sapien

<400> 164

Met Ser Pro Gln Gln Thr Ile Leu Arg Val Ile Pro Glu Gln Lys Ser
1 5 10 15

Thr Thr Thr Gln Leu Thr Leu Ile Leu Ser Leu Thr Lys Ser Ile Thr
20 25 30

Leu

<210> 165

<211> 46

<212> PRT

<213> Homo sapien

<400> 165

Met Glu Leu Pro Phe Asn Lys Glu Ile Leu Pro Lys Gln Lys Lys
1 5 10 15

Lys Lys Lys Lys Gly Trp Gly Ser Trp Pro Ala Val Pro Val Leu

102

20

25

30

Asn Trp Phe Ser Gly Pro Lys Phe Pro Lys Ile Arg Glu Gln
35 40 45

<210> 166

<211> 24

<212> PRT

<213> Homo sapien

<400> 166

Met Ala Ile Val Pro Leu Asp His Ala Ser Ser Gly Ala Ser Cys Asp
1 5 10 15

Gly Leu Val Ala Ala Arg Tyr Asn
20

<210> 167

<211> 75

<212> PRT

<213> Homo sapien

<400> 167

Met Thr Thr Tyr Ala Ile Gly Cys Glu Asp Glu Ala Ile Ala Ala Lys
1 5 10 15

Pro Gly Val Ser Asn Asp Asn Glu Arg Arg Pro Cys Thr Ile Val Leu
20 25 30

Glu Leu Arg Arg Glu Pro Leu Ser Leu Ser Ser Pro Ile Ser Lys Ala
35 40 45

Leu Pro Val Asn Gln Glu Thr Ala Cys Thr Thr Cys Val Glu Gln Ser
50 55 60

Leu Ser Leu Leu His Asp Ala Pro Met Leu Val
65 70 75

<210> 168

<211> 91

<212> PRT

<213> Homo sapien

<400> 168

Met Leu Cys His His Val Ile Arg Tyr Asn Leu His Phe Ser Val Leu
1 5 10 15

Thr Ser His Pro Ile Tyr Thr Val Leu Tyr Ala His Lys Cys Ile Gly

103

20

25

30

Gly Arg His Gln Phe Val Met Ala His Val Ser His Asn Met Lys Tyr
35 40 45

Leu Glu Glu Leu Leu Tyr Val Gly Glu Cys Pro Tyr Val Gly Val Asn
50 55 60

Val Ser Met Tyr Phe Leu Arg Val Ala Arg Pro Thr Cys Leu Leu Cys
65 70 75 80

Phe Thr Tyr Asp Phe Tyr Thr Arg Ala Arg Ala
85 90

<210> 169

<211> 211

<212> PRT

<213> Homo sapien

<400> 169

Met Ala Ala Glu Ala Thr Thr Glu Arg Arg Arg Glu Ser Glu Glu
1 5 10 15

Thr Arg Arg Arg Glu Arg Ala Arg Arg Asn Glu Arg Arg Lys Arg
20 25 30

Gly Ala Glu Ala Glu Arg Gly Asp Arg Thr Ala Arg Glu Glu Ser Glu
35 40 45

Ala Pro Asn Gly Glu Arg Asn Asn Glu Arg Glu Thr Asp Glu Thr Arg
50 55 60

Thr Gln Arg Arg Arg Arg Thr Thr His Arg Gln Arg Arg Glu Lys Thr
65 70 75 80

Ser Arg Glu Ala His His Gly Gln Ser Ala Glu Ala Gln Pro Gln Glu
85 90 95

Thr Thr Thr Gly Pro Arg Glu Gln Arg Arg Gln Met Arg Ala Glu Ala
100 105 110

Thr Arg Thr Thr Val Lys Asp Gln Asp Glu Thr Ser Ser Lys Glu Lys
115 120 125

Arg Arg Met Arg Thr His Asn Ile Lys Ile Arg Gln Thr Arg Ser Gly
130 135 140

Thr His Asp Ala Arg Gln Arg Glu Glu Arg His Thr Thr Asn Lys His
 145 150 155 160

Ala Arg Ser Arg Gly Gln His Glu Arg Lys Gln Pro Glu Gln Lys Gln
 165 170 175

Glu Ser Ala Gly Lys Arg Arg Gly Asp Ser Ser Asn Arg Arg Ala Thr
 180 185 190

Gln Arg Arg Lys Arg Leu Glu Lys Glu Lys Thr Gln Lys Thr Arg His
 195 200 205

Gly Arg His
 210

<210> 170

<211> 82

<212> PRT

<213> Homo sapien

<400> 170

Met Phe Ile Ser Val Phe His Val Trp Phe Val Ala Val Val Val Gly
 1 5 10 15

Glu Ile Gly Ser Arg Gly Lys His Asn Phe Tyr Thr Pro Arg Asn Gln
 20 25 30

Arg Leu Ala Pro Arg Ser Phe Pro Arg Pro Ala Ser Leu Val Tyr Thr
 35 40 45

Arg Asn Ile Ser Cys Ser Phe Ser Pro Gln Arg Thr His Gly Arg Asp
 50 55 60

Thr Gly Ser Leu Gly Pro His Val Met Lys Arg Tyr Trp Ala Pro Pro
 65 70 75 80

Thr Ala

<210> 171

<211> 153

<212> PRT

<213> Homo sapien

<400> 171

Met Ser Leu Ala Asp Gly His Ser Trp Arg Pro Gln Phe Met Phe Asn
 1 5 10 15

Arg Asn Ser Leu Arg Asn Ile Leu Arg Leu Pro His Pro Leu Val Val
 20 25 30

Leu Pro Ser Phe Leu Pro Ser Leu Arg Val Lys Gly Pro Arg Gly Pro
 35 40 45

Phe Trp Val Leu Leu Trp Lys Ala Arg Asp Val Ser Val Phe His Arg
 50 55 60

Thr Ala Trp Arg Pro Lys His Pro Gly Ala Pro Ile Gly Arg Gly Ser
 65 70 75 80

Pro Gly Gly Val Thr Val Trp Phe Tyr Arg Arg Ser Pro Lys Leu Pro
 85 90 95

Pro Pro His His Cys Gln Gln Lys Val Gly Pro Leu Gly Ala Gly
 100 105 110

Ala Thr Met Leu Asn Thr Gly Ser Ser Arg Glu His Ala Ala Gln Ala
 115 120 125

Thr Lys Ala Gly Arg Ser Lys Thr Gln Ala His Thr Lys Asn Glu Ile
 130 135 140

Ser Lys Gln Ala Thr Glu Gln Ala Ser
 145 150

<210> 172
 <211> 32
 <212> PRT
 <213> Homo sapien

<400> 172

Met Gln Pro Arg Gly Ser Thr Asp Asn Arg Ile Leu Lys Lys Val Ala
 1 5 10 15

Ala Pro Pro Val Ile Ile Asn Asn Leu Ile Lys Phe Thr Glu Leu Tyr
 20 25 30

<210> 173
 <211> 48
 <212> PRT
 <213> Homo sapien

<400> 173

Met Ser Val Gly Trp Asp Cys Ser Gln Val Tyr Ile Thr Lys Arg Ile

106

1

5

10

15

Gly Ala Thr His Val Gly Phe Met Phe Cys Asp Val Leu Ser Ile Cys
20 25 30

Val Asn Ala Phe His Met Val Ser Gly Leu Glu Cys Tyr Gly Pro Leu
35 40 45

<210> 174

<211> 17

<212> PRT

<213> Homo sapien

<400> 174

Met Lys Thr Gln Glu Lys Arg Met Val Asn Lys Glu Asp Pro Asn Tyr
1 5 10 15

Leu

<210> 175

<211> 132

<212> PRT

<213> Homo sapien

<400> 175

Val Val Met Thr Leu Asn Glu His Ala Ala Phe Lys His Leu Phe Asn
1 5 10 15

Lys Ala His Leu Ala Pro Pro Leu Ile His Leu Thr Leu Ser Gly His
20 25 30

Ser Thr Cys Phe Arg Glu His Arg Val Gly Asp Lys Val Thr Asp Gln
35 40 45

Gln Asp Pro Lys Ala Glu Glu Phe Phe Leu Val Gln Asn Lys Met Lys
50 55 60

Ser Leu Pro Cys Leu Leu Ser Thr Glu Thr Arg Gln Pro Ser Asp
65 70 75 80

Phe Ser Ile Phe Ser Pro Leu Phe Pro Leu Phe Tyr Ser Thr Lys Pro
85 90 95

Pro Leu Ser Ser Trp Pro Val Leu Asn Glu Leu Leu Gly Thr Pro Pro
100 105 110

Arg Arg Gly Gly Arg Ala Glu Gly Leu Leu Thr Ser Gln Gly Leu
 115 120 125

Leu Thr Ser Gln
 130

<210> 176
 <211> 114
 <212> PRT
 <213> Homo sapien

<400> 176

Met Ile Glu Leu Leu Ser Ser Ser Val Tyr His Glu Gly Pro Pro His
 1 5 10 15

Ala Val Phe Gly Ala Pro Val Leu Pro Pro Ser Val Ser Cys Ile Val
 20 25 30

Cys Thr Thr Pro Pro Gln Leu Gly Gly Pro Pro Pro Pro Pro Pro Leu
 35 40 45

Val His Ala Thr Phe Pro Pro Pro Phe Pro Arg Thr Thr Pro Pro Phe
 50 55 60

Phe Thr Pro Pro Pro Pro Phe Leu Leu Phe Pro Pro Pro Pro Pro
 65 70 75 80

Pro Pro Arg Val Phe Phe Phe Lys Lys Lys Lys Lys Lys Lys Lys
 85 90 95

Gln Lys Lys Lys Lys Lys Lys Gly Gly Gly Thr Cys Pro Ala
 100 105 110

Ala Ala

<210> 177
 <211> 43
 <212> PRT
 <213> Homo sapien

<400> 177

Met Pro Tyr Leu Arg Leu Trp Lys Asn Gly Val Tyr Ser Pro Cys Asn
 1 5 10 15

Phe Leu Gly Glu Lys Lys Pro Phe Pro Met Asp Leu Lys Lys Lys
 20 25 30

Lys Lys Lys Lys Asn Leu Ala Ala Thr Thr
 35 40

<210> 178
 <211> 213
 <212> PRT
 <213> Homo sapien

<400> 178

Met Thr Ser Asp Glu Ala Thr Thr Glu Thr Arg Pro Ala Arg Glu Ala
 1 5 10 15

Glu Lys Gly Ala Glu Lys Gln Lys Ala Thr Glu Lys Gly Lys Thr Lys
 20 25 30

Lys Thr Ser Thr Ser Tyr Arg Arg Ser Gln Arg Met Arg Lys Glu Arg
 35 40 45

Arg Arg Arg Lys His Glu Ala Thr Arg Arg Arg Thr Gly Glu Glu Arg
 50 55 60

Glu Asn Arg Gly Arg Arg Arg Glu Gln Arg Arg Arg Arg Thr Lys Val
 65 70 75 80

Gly Ser Gln Glu Glu Thr Lys Arg Glu Val Gln Thr Glu Gln Gly Arg
 85 90 95

Lys Arg Pro Lys Gly Gln Lys Lys Glu Thr Gln Arg Arg Lys Lys Arg
 100 105 110

Arg Lys Lys Lys Ser Gln Arg Arg Arg Thr Gly Lys Arg Lys Gln Glu
 115 120 125

Glu Lys Thr Thr Gln Arg Glu Arg Arg Glu Lys Asp Lys Arg Ser Arg
 130 135 140

Arg Glu Trp Lys Tyr Ala Glu Glu Glu Glu Thr Asp Asn Glu Glu Arg
 145 150 155 160

Arg Arg Lys Lys Arg Lys Arg Gln Gln Lys Lys Arg Glu Lys Lys Arg
 165 170 175

Arg Ser Lys Lys Ser Arg Ser Lys Asn Glu Ala Asp Lys Glu Arg Ala
 180 185 190

Glu Thr Thr Arg Arg Glu Glu Arg Glu Arg Glu Thr Glu Glu Lys

109

195

200

205

Thr Arg Asn Arg Ser
210

<210> 179
<211> 434
<212> PRT
<213> Homo sapien

<400> 179

Met Ser Ala Asp Ala Ala Gly Ala Pro Leu Pro Arg Leu Cys Cys
1 5 10 15

Leu Glu Lys Gly Pro Asn Gly Tyr Gly Phe His Leu His Gly Glu Lys
20 25 30

Gly Lys Leu Gly Gln Tyr Ile Arg Leu Val Glu Pro Gly Ser Pro Ala
35 40 45

Glu Lys Ala Gly Leu Leu Ala Gly Asp Arg Leu Val Glu Val Asn Gly
50 55 60

Glu Asn Val Glu Lys Glu Thr His Gln Gln Val Val Ser Arg Ile Arg
65 70 75 80

Ala Ala Leu Asn Ala Val Arg Leu Leu Val Val Asp Pro Glu Thr Asp
85 90 95

Glu Gln Leu Gln Lys Leu Gly Val Gln Val Arg Glu Glu Leu Leu Arg
100 105 110

Ala Gln Glu Ala Pro Gly Gln Ala Glu Pro Pro Ala Ala Glu Val
115 120 125

Gln Gly Ala Gly Asn Glu Asn Glu Pro Arg Glu Ala Asp Lys Ser His
130 135 140

Pro Glu Gln Leu Ser Leu Val Ala Val Ser Asp Gly Ser Val Arg Gly
145 150 155 160

Ala Thr Arg Ser Leu Leu Asp Arg Glu Arg Ala Gln Phe Gly Ile Lys
165 170 175

Arg Gln Asn Pro Ala Leu Pro Gln Leu Gly Gly Glu Gly Pro Arg Ala
180 185 190

Met Val Ala Glu Leu Gly Gln Arg Glu Leu Arg Pro Arg Leu Cys Thr
195 200 205

Met Lys Lys Gly Pro Ser Gly Tyr Gly Phe Asn Leu His Ser Asp Lys
210 215 220

Ser Lys Pro Gly Gln Phe Ile Arg Ser Val Asp Pro Asp Ser Pro Ala
225 230 235 240

Glu Ala Ser Gly Leu Arg Ala Gln Asp Arg Ile Val Glu Val Asn Gly
245 250 255

Val Cys Met Glu Gly Lys Gln His Gly Asp Val Val Ser Ala Ile Arg
260 265 270

Ala Gly Gly Asp Glu Thr Lys Leu Leu Val Val Asp Arg Glu Thr Asp
275 280 285

Glu Phe Phe Lys Lys Cys Arg Val Ile Pro Ser Gln Glu His Leu Asn
290 295 300

Gly Pro Leu Pro Val Pro Phe Thr Asn Gly Glu Ile His Lys Asp Pro
305 310 315 320

Leu Thr Pro Ser Ser Asp Asn Pro Gln Pro Ser Pro Leu Cys Gln Glu
325 330 335

Asn Ser Arg Glu Ala Leu Ala Glu Ala Ala Leu Glu Ser Pro Arg Pro
340 345 350

Ala Leu Val Arg Ser Ala Ser Ser Asp Thr Ser Glu Glu Leu Asn Ser
355 360 365

Gln Asp Ser Pro Pro Lys Gln Asp Ser Thr Ala Pro Ser Ser Thr Ser
370 375 380

Ser Ser Asp Pro Ile Leu Asp Phe Asn Ile Ser Leu Ala Met Ala Lys
385 390 395 400

Glu Arg Ala His Gln Lys Arg Ser Ser Lys Arg Ala Pro Gln Met Asp
405 410 415

Trp Ser Lys Lys Asn Glu Leu Phe Ser Asn Leu Asn Glu Leu Phe Ser
420 425 430

Asn Leu

<210> 180
 <211> 49
 <212> PRT
 <213> Homo sapien

<400> 180

Met Gly Ser Cys Ser Val Ala Gln Val Gly Val Met Trp His Asp Leu
 1 5 10 15

Gly Ser Leu Gln Pro Leu Pro Pro Gly Phe Lys Gln Phe Ser Cys Leu
 20 25 30

Ser Leu Leu Ser Ser Trp Asp Tyr Arg Arg Thr Cys Pro Gly Gly Arg
 35 40 45

Ser

<210> 181
 <211> 59
 <212> PRT
 <213> Homo sapien

<400> 181

Phe Phe Phe Leu Phe Val Cys Leu Phe Glu Met Gly Ser Cys Ser Val
 1 5 10 15

Ala Gln Val Gly Val Met Trp His Asp Leu Gly Ser Leu Gln Pro Leu
 20 25 30

Pro Pro Gly Phe Lys Gln Phe Ser Cys Leu Ser Leu Ser Ser Trp
 35 40 45

Asp Tyr Arg Cys Glu Pro Gln Arg Leu Ala Arg
 50 55

<210> 182
 <211> 193
 <212> PRT
 <213> Homo sapien

<400> 182

Met Ser Tyr Ser Phe Ala Ser Ser Val Val Leu Val Asp Ser Leu Thr
 1 5 10 15

Ser Phe Leu Gly Pro Phe Thr Phe Ser Leu Leu Ala Thr Ser Arg Ile
 20 25 30

Leu His Leu Tyr Leu Ala Pro Arg Val Arg Leu Ser Cys Ser Ser Leu
 35 40 45

Ser Pro Phe Ala Cys Leu Leu Cys Ser Leu Leu Trp Val Arg Val Ser
 50 55 60

Ser Ser Ser Thr Arg Ser Ile Cys Ser Leu Ser Val Phe Cys Val Cys
 65 70 75 80

Ser Gly Leu Ser Leu Val Cys Val Arg Tyr Phe Phe Ala Leu Cys Ser
 85 90 95

Ser Leu Phe Arg Pro Cys Ser Phe Leu Ser Leu Leu Arg Ser Leu Leu
 100 105 110

Leu Ser Ile Leu Phe Phe Ser Cys Phe Leu Ala Leu Ser Leu Ser Ser
 115 120 125

Leu Ser Ile Tyr Leu Pro Leu Leu Ser His Ser Leu Ser Phe Arg Asp
 130 135 140

Pro Arg Ser Ile Val Tyr Leu Ile Phe Asp Phe Leu Ser Leu Tyr His
 145 150 155 160

Ser Leu Cys Pro Ser Tyr Ser Ser Tyr Ser Ile Asn Asp Ser Arg Gly
 165 170 175

Leu Ile Pro Thr Arg Ala Leu Pro Gln Cys Ile Arg Tyr Leu Pro Tyr
 180 185 190

Pro

<210> 183
 <211> 56
 <212> PRT
 <213> Homo sapien

<400> 183

Met Trp Cys Arg Cys Val Cys Leu Asn Tyr Cys Gln Cys Val Pro Pro
 1 5 10 15

Ser Trp Thr Phe Leu Pro Ser Leu Met His Val Gln Tyr Asp Ser His
 20 25 30

Glu Asn Asp Glu Pro Cys His Glu Val Leu Ile Ala Asn Glu Glu Arg
 35 40 45

Leu His Arg Lys Asn Met Lys Lys
 50 55

<210> 184
 <211> 105
 <212> PRT
 <213> Homo sapien

<400> 184

Met Pro Tyr Gly Val Thr Gln Phe Lys Leu Thr Arg Ile Val Ser Ala
 1 5 10 15

Ile Gly Trp Glu Leu Thr Thr Cys Asp Pro Ser Tyr Tyr Thr Pro Val
 20 25 30

Leu Thr Leu Ser Leu Leu Lys Phe Cys Ala Leu Glu His Ile His Lys
 35 40 45

Asn Asn Arg Ala Arg Ala Leu Gln Gly Asn His Thr Pro Pro Asn Ser
 50 55 60

Lys Leu Arg Asn Thr His Ile Ser Arg Glu Ala Gln Arg Gly Tyr Lys
 65 70 75 80

Glu Tyr Cys Ala Arg Gln Arg Asn Pro Gln Thr Pro His Pro Arg Ala
 85 90 95

Gln Pro Gly Thr Gln Asn Ser Lys Asn
 100 105

<210> 185
 <211> 38
 <212> PRT
 <213> Homo sapien

<400> 185

Met Ile Val Arg Gly Glu Val His Thr Leu Met His Leu Glu Leu Tyr
 1 5 10 15

Cys Ile Ile Arg Thr Thr Ser Asp Thr Ser Phe Phe Phe Phe Phe Phe
 20 25 30

Phe Phe Pro Tyr Cys Asn

<210> 186
 <211> 77
 <212> PRT
 <213> Homo sapien

<400> 186

Met Val Thr Gly Cys Leu Leu Arg Gln Cys Ala Asp Arg Cys Gln Val
 1 5 10 15

Asn Ser Thr Ala His Phe Trp Leu Asn Phe Leu Gln Leu Ser Ser Val
 20 25 30

Arg Ser Lys Val His Leu Gln Pro Ser Leu Arg Ala Leu Leu Phe Ser
 35 40 45

Ser Ser Val Arg Thr Cys Thr Gly Gln Pro Cys Pro Phe Gln Phe Ser
 50 55 60

Ala Ser Trp Leu Gly Ala His Arg Leu Leu Ser Asn His
 65 70 75

<210> 187
 <211> 13
 <212> PRT
 <213> Homo sapien

<400> 187

Met Leu Phe Pro Cys Val Lys Leu Val Tyr Ser Ala His
 1 5 10

<210> 188
 <211> 44
 <212> PRT
 <213> Homo sapien

<400> 188

Met Arg Arg Pro Ala Arg Leu Val Glu Arg Ala Val Cys Leu Val Leu
 1 5 10 15

Glu Phe Leu Phe Phe Ile Ser Phe Leu Ser Cys Asn Ser Tyr Phe Trp
 20 25 30

Phe Ala Trp Thr Val Leu His Thr Pro Ile Phe Leu
 35 40

<210> 189

<211> 53
 <212> PRT
 <213> Homo sapien

<400> 189

Met Leu Leu Ser Lys Gly Thr Gly Thr Thr Leu Ile Phe Ile Asp Gly
 1 5 10 15

Met Leu Lys Arg Trp Ala Tyr Ile Tyr Val Pro Tyr Ala Cys Ser Pro
 20 25 30

Gly Cys Gly Gln Trp Cys Ile Pro Ala Pro His Ser Pro His Asn Leu
 35 40 45

Pro Glu Gln His Asp
 50

<210> 190
 <211> 84
 <212> PRT

<213> Homo sapien

<400> 190

Met Thr Cys Phe Val Asp Asp Cys Cys Gly Asp Leu Gly Thr Glu Lys
 1 5 10 15

Asn Leu Pro Lys Lys Asn Lys Lys Ala Asn Leu Gly Gly Ile Lys Lys
 20 25 30

Glu Asn Phe Phe Val Lys Lys Lys Lys Arg Lys Lys Lys Asn Glu Lys
 35 40 45

Lys
 50 55 60

Thr Ser Pro Arg His Asp His Thr Leu Arg Ala Arg Met Ile Lys Thr
 65 70 75 80

Ile Ala Ile Tyr

<210> 191
 <211> 60
 <212> PRT
 <213> Homo sapien

<400> 191

Met Gly Arg Leu Val Lys Phe Lys His Gly Asn Asn Ser Glu Ile Asn

1

5

10

15

Ser Phe Arg Gly Asn His Pro Phe Pro Thr Glu Pro Thr Pro Phe Lys
 20 25 30

Leu Asn Ser Ser Leu Arg Leu Leu Gly Phe Ser Leu Ala Val Lys Ser
 35 40 45

Ser Gly Phe Leu Lys Asn Asp Gly Leu Pro Trp Lys
 50 55 60

<210> 192

<211> 269

<212> PRT

<213> Homo sapien

<400> 192

Met Ala Ala Ser Gly Ser Gly Met Ser Gln Lys Thr Trp Glu Leu Ala
 1 5 10 15

Asn Asn Met Gln Glu Ala Gln Ser Ile Asp Glu Ile Tyr Lys Tyr Asp
 20 25 30

Lys Lys Gln Gln Gln Glu Ile Leu Ala Ala Lys Pro Trp Thr Lys Asp
 35 40 45

His His Tyr Phe Lys Tyr Cys Lys Ile Ser Ala Leu Ala Leu Lys
 50 55 60

Met Val Met His Ala Arg Ser Gly Gly Asn Leu Glu Val Met Gly Leu
 65 70 75 80

Met Leu Gly Lys Val Asp Gly Glu Thr Met Ile Ile Met Asp Ser Phe
 85 90 95

Ala Cys Leu Trp Gln Gly Thr Glu Thr Arg Val Asn Ala Gln Ala Ala
 100 105 110

Ala Tyr Glu Tyr Met Ala Ala Tyr Ile Glu Asn Ala Lys Gln Val Gly
 115 120 125

Arg Leu Glu Asn Ala Ile Gly Trp Tyr His Ser His Pro Gly Tyr Gly
 130 135 140

Cys Trp Leu Ser Gly Ile Asp Val Ser Thr Gln Met Leu Asn Gln Gln
 145 150 155 160

Phe Gln Glu Pro Phe Val Ala Val Val Ile Asp Pro Thr Arg Thr Ile
 165 170 175

Ser Ala Gly Lys Val Asn Leu Gly Ala Phe Arg Thr Tyr Pro Lys Gly
 180 185 190

Tyr Lys Pro Pro Asp Glu Gly Pro Ser Glu Tyr Gln Thr Ile Pro Leu
 195 200 205

Asn Lys Ile Glu Asp Phe Gly Val His Cys Lys Gln Tyr Tyr Ala Leu
 210 215 220

Glu Val Ser Tyr Phe Lys Ser Ser Leu Asp Arg Lys Leu Leu Glu Leu
 225 230 235 240

Leu Trp Asn Lys Tyr Trp Val Asn Thr Leu Ser Ser Ser Ser Leu Leu
 245 250 255

Thr Asn Ala Asp Tyr Thr Thr Gly Gln Val Phe Asp Leu
 260 265

<210> 193

<211> 146

<212> PRT

<213> Homo sapien

<400> 193

Met Trp Cys Ser Tyr Pro Tyr Cys Cys Ser Gly Phe Leu Leu Ser Tyr
 1 5 10 15

Thr Val Cys Thr His Gly Val Asn Ile Gly Cys Val Cys Cys Leu Ser
 20 25 30

Arg Trp Trp Leu Ser Leu Val Met Val Pro Val Pro Cys Val Val Val
 35 40 45

Phe Thr Ala Cys Trp Val Cys Val Trp Ser Ser Glu Pro His Leu Met
 50 55 60

Asp Met Trp Val Arg Pro Val Val His Phe Leu Ala Met Cys His Val
 65 70 75 80

Pro Arg Val Cys Ser Leu Phe Pro Leu Leu Val Cys Ala Cys Ser Phe
 85 90 95

Leu Phe Leu Leu Gly Ile Leu Ala Leu Cys Pro Pro Val Ala Leu Tyr

118

100

105

110

Ser Leu Gly Val Cys Val Ser Pro Pro Val Ile Cys Ser Pro Ala Cys
115 120 125

Glu Ile Trp Trp Val Cys Arg Ala Pro Ser Cys Ala Leu Tyr Pro Leu
130 135 140

Arg Pro
145

<210> 194
<211> 141
<212> PRT
<213> Homo sapien

<400> 194

Met Cys Ala His Thr His Gly Ala Gly His Thr Ala Leu His Phe Gly
1 5 10 15

Arg His Ala Gln Val Phe Ile Arg Arg Ala Arg Gly Leu Ser Ser Ser
20 25 30

Arg Ile Thr His Ser Glu Ser Tyr Cys Leu Leu Pro Ser Leu His Thr
35 40 45

Gln Gly Thr Pro Arg Ser Arg Gly Arg Pro Thr Arg Gly Val Ser Leu
50 55 60

Ser Ser Arg Ala Leu Val Leu Arg Arg Glu Val Leu Gly Asp Thr His
65 70 75 80

Thr His Thr Pro Glu Ser Gly Asp Thr Arg Tyr Arg Asp Cys Leu His
85 90 95

Thr Lys Ile Phe Tyr Asn Ile Glu Ile Cys Gly Ser Arg Thr Gln His
100 105 110

Ile Trp Ala Pro Ala His Thr Glu Thr Leu Ser Ser Leu Ser His Arg
115 120 125

Ala Val Ala Pro Leu Leu His Arg Glu Ser Gly Glu Pro
130 135 140

<210> 195
<211> 95
<212> PRT

<213> Homo sapien

<400> 195

Met Ser Ser His Leu Thr Asn Ser Cys Val Phe Pro Lys Tyr Ser Ser
 1 5 10 15

Leu Phe Thr Gln Gly Leu Val Val Lys Ile Tyr Gln His Pro Gly Ile
 20 25 30

Lys Phe Ser Leu Trp Glu Ser Leu Phe His Lys Lys Trp Ala Pro Gly
 35 40 45

Phe Leu Thr Pro Leu Val Trp Lys Met Leu Trp Gly Glu Met Glu Lys
 50 55 60

Ser His Phe Leu Leu Tyr Leu Asn Ala Gly Gly Glu Thr Ser Trp Ala
 65 70 75 80

Asn Ser Arg Val Pro Val Val Gly Lys Trp Leu Ser Pro Pro Gln
 85 90 95

<210> 196

<211> 54

<212> PRT

<213> Homo sapien

<400> 196

Met Arg Thr Val Val Ile Pro Glu Gly Trp Gly Gly Asp Arg Leu Gly
 1 5 10 15

Glu Gly Phe Arg Lys Leu Ser Glu Asp Asp Cys Asn Gly Leu Asn Phe
 20 25 30

Gly Lys Val Trp Leu His Arg Cys Ile Cys Leu Gln Glu Leu Ser Lys
 35 40 45

Phe Ile Leu Lys Ile Cys
 50

<210> 197

<211> 240

<212> PRT

<213> Homo sapien

<400> 197

Met Pro Pro Leu Leu Phe Glu Val Ser Ser Leu Glu Asn Ala Phe Gln
 1 5 10 15

Ile Gly Gly His Pro Trp His Tyr Ile Val Thr Pro Asn Lys Lys Lys
 20 25 30

Gln Lys Gly Val Phe His Ile Cys Ala Leu Lys Asp Asn Ser Leu Ala
 35 40 45

Lys Asn Gly Ile Gln Glu Met Asp Cys Cys Ser Leu Glu Ser Asp Trp
 50 55 60

Ile Tyr Phe His Pro Asp Ala Ser Gly Arg Ile Ile His Val Gly Pro
 65 70 75 80

Asn Gln Val Lys Val Leu Lys Leu Thr Glu Ile Glu Asn Asn Ser Ser
 85 90 95

Gln His Gln Ile Ser Glu Asp Phe Val Ile Leu Ala Asn Arg Glu Asn
 100 105 110

His Lys Asn Glu Asn Val Leu Thr Val Thr Ala Ser Gly Arg Val Val
 115 120 125

Lys Lys Ser Phe Asn Leu Leu Asp Asp Asp Pro Glu Gln Glu Thr Phe
 130 135 140

Lys Ile Val Asp Tyr Glu Asp Glu Leu Asp Leu Leu Ser Val Val Ala
 145 150 155 160

Val Thr Gln Ile Asp Ala Glu Gly Lys Ala His Leu Asp Phe His Cys
 165 170 175

Asn Glu Tyr Gly Thr Leu Leu Lys Ser Ile Pro Leu Val Glu Ser Trp
 180 185 190

Asp Val Thr Tyr Ser His Glu Val Tyr Phe Asp Arg Asp Leu Val Leu
 195 200 205

His Ile Glu Gln Lys Pro Asn Arg Val Phe Ser Cys Tyr Val Tyr Gln
 210 215 220

Met Ile Cys Asp Thr Gly Glu Glu Glu Thr Ile Asn Arg Ser Cys
 225 230 235 240

<210> 198

<211> 31

<212> PRT

<213> Homo sapien

<400> 198

Met	Ile	Pro	Gln	Leu	Gly	Glu	Ser	Val	Leu	Ile	His	Cys	Pro	Asn	Gly
1				5					10					15	

Pro	Pro	Leu	Pro	His	Val	Ser	Pro	Pro	Ser	Ser	Asn	Pro	Ser	Tyr
								25					30	

<210> 199

<211> 62

<212> PRT

<213> Homo sapien

<400> 199

Met	Pro	Ala	Pro	Leu	Gly	Gly	Arg	Gly	Gly	Trp	Ser	Pro	Pro	Arg	Ser
1				5					10				15		

Arg	Ser	Ser	Arg	Gln	Arg	Leu	Ala	Asp	Met	Ala	Lys	Pro	Arg	Leu	Tyr
								25					30		

Tyr	Lys	Lys	Asn	Thr	Lys	Arg	Leu	Asp	Trp	Val	Trp	Trp	Cys	Val	Pro
								40				45			

Ile	Ile	Pro	Ala	Thr	Gln	Glu	Ala	Glu	Ala	Gly	Glu	Phe	Phe	
								55				60		

<210> 200

<211> 245

<212> PRT

<213> Homo sapien

<400> 200

Met	Gly	Arg	Ser	Cys	Val	Val	Cys	Phe	Val	Cys	Leu	Phe	Phe	Ser	Phe
1					5				10				15		

Val	Phe	Arg	Leu	Ser	Ser	Arg	Ala	Val	Ala	Ala	Leu	Arg	Phe	Ser	Val
								25				30			

Cys	Val	Val	Arg	Arg	Val	Arg	Leu	Ala	Ala	Ser	Ser	Phe	Val	Leu	Arg
								40				45			

Arg	Ser	Ala	Leu	Ser	Leu	Ser	Ser	Val	Ser	Ser	Leu	Val	Ser	Pro	Ala
								55				60			

Leu	Leu	Pro	Leu	Arg	Ser	Leu	Ser	Ser	Ser	Phe	Leu	Ser	Pro	Phe
65								70			75		80	

Val Ala Pro Cys Leu Ser Val Cys Phe Val Pro Val Leu Val Cys Leu
 85 90 95

Ser Ser Ala Phe Ala Ser Leu Ser Arg Ser Cys Ser Phe Leu Leu Ser
 100 105 110

Val Arg Phe Ala Phe Ser Val Ser Arg Val Gly Leu Phe Cys Val Leu
 115 120 125

Phe Leu Leu Cys Leu Ala Arg Leu Ser Ser Val Phe Ala Ser Cys Ser
 130 135 140

Gly Phe Ser Leu Leu Phe Phe Leu Leu Phe Phe Phe Phe Cys Phe
 145 150 155 160

Leu Ser Leu Cys Leu Ser Phe Phe Ser Phe Leu Phe Phe Pro Ser
 165 170 175

Trp Cys Leu Phe Ser Phe Leu Phe Phe Ala Phe Ser Ser Ile Cys Phe
 180 185 190

Cys Leu Leu Trp Asp Asn Phe Leu Phe Val Phe Leu Ala Ile Phe Ser
 195 200 205

Ser Val Phe Ser Ser Leu His Cys Val Phe Leu Phe Ser Ser Phe Val
 210 215 220

Pro Pro Leu Tyr Phe Val Ile Phe Ser Phe Ala Leu Trp Tyr Ser Cys
 225 230 235 240

Trp Arg Pro Gly Val
 245

<210> 201

<211> 144

<212> PRT

<213> Homo sapien

<400> 201

Glu Gln Met Ser Cys Gln Trp Glu Phe Lys Cys Gln His Gly Glu Glu
 1 5 10 15

Glu Cys Lys Phe Asn Lys Val Glu Ala Cys Val Leu Asp Glu Leu Asp
 20 25 30

Met Glu Leu Ala Phe Leu Thr Ile Val Cys Met Glu Glu Phe Glu Asp
 35 40 45

Met Glu Arg Ser Leu Pro Leu Cys Leu Gln Leu Tyr Ala Pro Gly Leu
 50 55 60

Ser Pro Asp Thr Ile Met Glu Cys Ala Met Gly Asp Arg Gly Met Gln
 65 70 75 80

Leu Met His Ala Asn Ala Gln Arg Thr Asp Ala Leu Gln Pro Pro His
 85 90 95

Glu Tyr Val Pro Trp Val Thr Val Asn Gly Lys Pro Leu Glu Asp Gln
 100 105 110

Thr Gln Leu Leu Thr Leu Val Cys Gln Leu Tyr Gln Gly Lys Lys Pro
 115 120 125

Asp Val Cys Pro Ser Ser Thr Ser Ser Leu Arg Ser Val Cys Phe Lys
 130 135 140

<210> 202

<211> 76

<212> PRT

<213> Homo sapien

<400> 202

Met Pro Ser Asp Arg Met His Leu Phe Ile Leu Lys Met Ala Ser Leu
 1 5 10 15

Arg His Pro Thr Gly Gln Pro Cys Lys Leu Lys Ser Gln Gly Ala His
 20 25 30

Cys Thr Gln Leu Ser His Ala Leu Thr Thr Ala Ser Leu Gln Leu Leu
 35 40 45

Thr Leu Gly Tyr Asn Ser Ser Asn Ile Asn Gly Phe Ser Leu Gln His
 50 55 60

Cys Thr Leu Gln Asn Ile Glu Gln Gly Phe Ser Leu
 65 70 75

<210> 203

<211> 60

<212> PRT

<213> Homo sapien

<400> 203

Asp Ala Lys Glu Asp His Glu Arg Thr His Gln Met Val Leu Leu Arg

1

5

10

15

Lys Leu Cys Leu Pro Met Leu Cys Phe Leu Leu His Thr Ile Leu His
 20 25 30

Ser Thr Gly Gln Tyr Gln Glu Cys Leu Gln Leu Ala Asp Met Val Ser
 35 40 45

Ser Glu Gly His Lys Leu Tyr Leu Val Ser Ser Arg
 50 55 60

<210> 204

<211> 96

<212> PRT

<213> Homo sapien

<400> 204

Met Cys Leu Val Ser Phe Val Val Phe Ile Phe Leu Ser Asn Thr Pro
 1 5 10 15

Gly Pro Phe Phe Ser Phe Ser Leu Gly Leu Phe Ser Phe Ala Phe Leu
 20 25 30

Phe Leu Gln Leu Phe Phe Leu Val Leu Phe Ser Phe Leu Ile Phe
 35 40 45

Leu Leu Val Phe Ser Val Phe Ser Leu Leu Asp Phe Tyr Phe Tyr Met
 50 55 60

Phe Val Phe Ser Phe Phe Ser Leu Leu Ser Leu Phe Ser Phe Leu Leu
 65 70 75 80

Phe Phe Tyr Val Val Leu Ser Trp Ile Leu Asp Trp Ile Phe Arg
 85 90 95

<210> 205

<211> 34

<212> PRT

<213> Homo sapien

<400> 205

Met Met Asp Asp Thr Leu Pro Gly Thr Leu Val His Tyr Ser Gln Cys
 1 5 10 15

Ser Ser Ser Ala Tyr Asn Ser Cys Leu Pro Val Asp Ser Thr Asn Glu
 20 25 30

Ser Gly

<210> 206
 <211> 42
 <212> PRT
 <213> Homo sapien

<400> 206

Met Pro Val Val Pro Ala Ile Trp Glu Ala Lys Glu Asp Arg Leu Ser
 1 5 10 15

Ser Gly Asp Arg Gly Cys Ser Trp Ala Glu Ile Ala Pro Gln Pro Ser
 20 25 30

Ser Leu Val Lys Arg Glu Arg Phe His Leu
 35 40

<210> 207
 <211> 111
 <212> PRT
 <213> Homo sapien

<400> 207

Leu Phe Val Tyr Ala Arg Trp Asn Leu Ser Leu Leu Thr Arg Leu Glu
 1 5 10 15

Gly Cys Gly Ala Ile Ser Ala Gln Cys Asn Leu Tyr Leu Leu Ser Ser
 20 25 30

Ser Asp Pro Ser Leu Ala Ser Gln Ile Ala Gly Thr Thr Gly Met Cys
 35 40 45

His His Val Gln Leu Ile Leu Tyr Phe Ala Ala Arg Arg Phe Tyr His
 50 55 60

Val Gly Gln Gly Gly Leu Glu Leu Leu Ala Ala Ser Gly Pro Pro Ser
 65 70 75 80

Ser Ala Tyr Gln Ser Ala Val Ile Thr Gly Val Ser His His Ala Gln
 85 90 95

Pro Leu Asn Ser Val Phe Tyr Ser Lys Ala Lys Ala His Val Phe
 100 105 110

<210> 208
 <211> 81
 <212> PRT

<213> Homo sapien

<400> 208

Met Leu Ala Leu Phe Val Val Gly Gly Cys Pro Cys Ser Phe Gln Tyr
 1 5 10 15

Met Arg Gly Gln Gly Asp Pro Arg Gly Pro Phe Cys Gly Pro Leu Trp
 20 25 30

Lys Lys Gly Arg Arg Tyr Val Ser Cys Leu Ile Thr Ser Ile Lys Pro
 35 40 45

Val Ala Cys Ile Ser Leu Lys Cys Ala Ile Tyr Ala Gly Ser Ser Gly
 50 55 60

Gly Val Ile Tyr Val Trp Ala Pro Pro Arg Ala Pro Asn Thr Pro Leu
 65 70 75 80

Tyr

<210> 209

<211> 67

<212> PRT

<213> Homo sapien

<400> 209

Met Lys Val Pro His Gln Arg Lys Lys Asn Lys Asn Thr Lys Arg
 1 5 10 15

Lys Lys Lys Lys Lys Val Leu Trp Gly Gly Tyr Thr Thr Cys Gly His
 20 25 30

Asn Ile Gly Val Leu Pro Gly Val Cys Cys Ala Arg Thr Thr Trp Cys
 35 40 45

Cys Val Ile Ile Thr Gly Gly Phe Ser Asp Lys Phe Phe Arg Asp Lys
 50 55 60

Lys Asn Leu

65

<210> 210

<211> 80

<212> PRT

<213> Homo sapien

<400> 210

Met Phe Met Cys Ile Cys Tyr Leu Pro Asn Tyr Ile Thr Ser Ser Leu
 1 5 10 15

Lys Val Glu Met Ser Met Glu Thr Asp Asn Met Ser Gly Leu Leu Leu
 20 25 30

His Thr Leu Gln Val Ser Ala His Leu Ile Phe Ile Ala Thr Leu Arg
 35 40 45

Asn Ser His Cys Tyr Pro His Phe Ile Ser Arg Gln Gly Lys Val Lys
 50 55 60

Ser Gly Lys Val Tyr Leu Trp His Lys Leu Leu Asn Glu Gly Thr Tyr
 65 70 75 80

<210> 211
 <211> 125
 <212> PRT
 <213> Homo sapien

<400> 211

Met Ser Ser Glu Val Ser Val Trp Glu Phe Val Gly Ala Gly Gly Leu
 1 5 10 15

His Gln Ser Val Ser Lys Gln Pro Arg Gly Lys Ala Lys Pro Leu Val
 20 25 30

Gly Asn Pro Tyr Trp Ser Phe Asn Arg Leu Ser Lys Gly Leu Phe Trp
 35 40 45

Lys Trp Glu Lys Ala Cys Cys Leu Pro Thr Gly Gly Glu Thr Thr Val
 50 55 60

Phe Gly Gly Leu Phe Pro Lys Leu Val Ser Lys Gly Asn Cys Trp Phe
 65 70 75 80

Pro Val Phe Gln Lys Gly Asn Gly Phe Ser Val Ser Gly Trp Gly Ser
 85 90 95

Asn Pro Val Leu Val Leu Gly Gly Val Asn Pro Arg Pro Lys Lys Ile
 100 105 110

Lys Leu Glu Thr Ser Pro Tyr Thr Ala Lys Ser Trp Gly
 115 120 125

<210> 212

<211> 167
 <212> PRT
 <213> Homo sapien

<400> 212

Met Arg Thr Trp Trp Cys Arg Val Leu Glu Val Arg His Val Ala Lys
 1 5 10 15

Gly Gly Ala Pro Leu Arg Leu Arg Phe Leu Trp Arg Ser Val Ser Pro
 20 25 30

Ala Cys Arg Glu Lys Glu Ile Ser Leu Ala Gln Thr His Asn Thr Arg
 35 40 45

Met Arg Thr His Asn Leu Lys Asp Tyr Lys Arg Lys Ser Leu Arg Arg
 50 55 60

Asn Asn Leu Leu Arg Ala Ala Ala His Ser His Val Leu Trp Arg Val
 65 70 75 80

Ser Pro Thr Tyr Ser His His His Thr Met Cys Ala Val Thr Arg Cys
 85 90 95

Thr Pro Arg Gly Val Leu Pro Ser Arg Gly Ser Ser Arg Val Cys Val
 100 105 110

Lys Arg Ala Thr His Arg Phe Arg Cys Ile Leu Tyr Ser Glu Asp Leu
 115 120 125

Trp Val Phe Ile His Ser Val Val Ser Ile Pro Phe Val Pro Val Gly
 130 135 140

Val Lys Ile Trp Leu Pro Ala Leu Thr Ile Leu Pro Thr Thr Cys Gly
 145 150 155 160

Thr Lys Asp Thr Pro Leu Phe
 165

<210> 213
 <211> 151
 <212> PRT
 <213> Homo sapien
 <400> 213

Met His Ala Arg Ala Ala Gln Cys Asp Gly Phe Ala Ala Arg Ser Pro
 1 5 10 15

Pro Phe Phe Phe Phe Phe Phe Phe Leu Gly Arg Gly Lys Asn
 20 25 30

Phe Phe Phe Phe Ile Phe Ser Gln Lys Pro Phe Phe Trp Lys Lys
 35 40 45

Leu Lys Val Ala Met Arg Gly Phe Leu Tyr Lys Lys Asn Ile Lys Thr
 50 55 60

Arg Gly Ile Leu Leu Phe Gln Lys Lys Phe Asn Leu Leu Phe Val Asp
 65 70 75 80

Lys Ala His His Glu Trp Val Tyr Lys Leu Val Leu Ser Tyr Ile Phe
 85 90 95

Gln Arg Lys Tyr Tyr Ser His Ser Val His Val Tyr Ser Ile Thr Val
 100 105 110

Cys Ser Arg Arg Lys Ser Arg Arg Ala Cys Asn Ser Leu Gly Val His
 115 120 125

Lys Cys Val Leu Pro Leu Cys Glu Ile Leu Cys Phe Ile Pro Val Pro
 130 135 140

Gln Tyr Ser His Asn Asn Ile
 145 150

<210> 214
 <211> 118
 <212> PRT
 <213> Homo sapien

<400> 214

Met Leu Cys Arg Ser Val Cys Asp Tyr Pro Pro Ala Arg Val Arg Arg
 1 5 10 15

Glu Val Val Val Cys Asn Thr Lys Arg Gly Gly Arg Arg Arg Glu
 20 25 30

Gln Pro Ser Ile Thr Arg Val Ala Ala Leu Ile Tyr Ile Tyr Met Val
 35 40 45

Glu Gly Glu Ile Lys His Ile Ser Arg Glu Arg Glu Gly Glu Arg Ala
 50 55 60

Asn Pro Thr Thr Ala Gly Gln Gln Glu Ala Ile Ser Arg Gly Glu Glu
 65 70 75 80

Glu Arg Gly Cys Ser Ala Arg Arg Ala Pro Thr Pro Pro His Asn Thr
 85 90 95

Leu Tyr Arg Thr Gln Gln Thr Lys Pro Gln Pro Arg Thr Gln Ser Thr
 100 105 110

Arg Glu Tyr Lys Lys Ile
 115

<210> 215
 <211> 72
 <212> PRT
 <213> Homo sapien
 <400> 215

Met Val Ala Met Ile Ile Arg Ser Ile Phe Val Gly Leu Leu Ala His
 1 5 10 15

Ser Cys Cys His Ala Gly Asp Asp Thr Phe Arg Ala Pro Leu Ala Leu
 20 25 30

Ile Leu Glu Leu Leu His Leu Ile Val Val Gly Phe Trp Asp Ser Val
 35 40 45

Ser Val His Ile Asp Thr Pro Pro Glu Glu Leu Leu Met Ile Phe Phe
 50 55 60

Leu Gln Gln Cys Ser Tyr Val Val
 65 70

<210> 216
 <211> 58
 <212> PRT
 <213> Homo sapien

<400> 216

Met Cys His Cys Pro Arg Val Pro Pro Ile Pro Gln Ala Thr Asn Phe
 1 5 10 15

Val Thr Arg Glu Gln Ile Gln Glu Ile Ser Ser Gln Ala Lys Val Gln
 20 25 30

Ser Ala Ala Asn His Gly Arg His Ala Glu Pro Arg Arg Arg Cys Ala
 35 40 45

Ser Leu Val Pro Gly Ser Asp Gly Ala Ala

50

55

<210> 217
 <211> 121
 <212> PRT
 <213> Homo sapien

<400> 217

Met Gly Gln Asn Gly Val Ser Pro Gly Gly Lys Cys Gly Cys Thr Gly
 1 5 10 15

Leu Lys Ile Pro Thr Lys Gln Phe Glu Thr Thr Lys Asn Glu Gln Gln
 20 25 30

Gln Glu Lys Glu Glu Gln Thr Arg His Thr Arg Asn Arg Arg Arg Arg
 35 40 45

Glu Arg Glu Arg Asn Thr Asn Thr Gln Gln Pro Arg Lys Asp Glu Lys
 50 55 60

Glu Arg Glu Lys Arg Glu Arg Lys Glu Glu Lys Arg Glu Asn Lys Lys
 65 70 75 80

Lys Glu His Gln Lys Glu Lys Lys Asn Thr Lys Thr Arg Gln His Thr
 85 90 95

Lys Gln Arg Lys Thr Gly Arg Thr Thr Lys Glu Asp Lys Asn Ser Asn
 100 105 110

Glu Lys Gln Glu Arg Thr Lys Thr Lys
 115 120

<210> 218
 <211> 67
 <212> PRT
 <213> Homo sapien

<400> 218

Gly Pro Gln Gly Pro Pro Gly Tyr Gly Lys Met Gly Ala Thr Gly Pro
 1 5 10 15

Met Gly Gln Gln Gly Ile Pro Gly Ile Pro Gly Pro Pro Gly Pro Met
 20 25 30

Gly Gln Pro Gly Lys Ala Gly His Cys Asn Pro Ser Asp Cys Phe Gly
 35 40 45

132

Ala Met Pro Met Glu Gln Gln Tyr Pro Pro Met Lys Thr Met Lys Gly
50 55 60

Pro Phe Gly
65